

FARNEY DANIELS PC

Austin/Georgetown
Silicon Valley

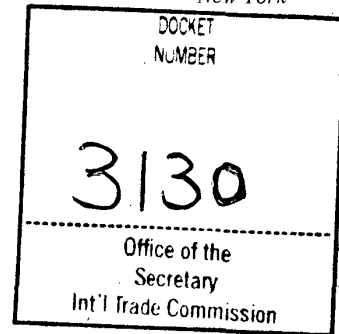
800 South Austin Ave., Suite 200
Georgetown, Texas 78626-5845
512-582-2828

www.farneydaniels.com

Minneapolis
New York

March 24, 2016

The Honorable Lisa R. Barton
Secretary to the Commission
U.S. International Trade Commission
500 E Street, S.W.
Washington, D.C. 20436



Re: Complaint under 19 U.S.C. § 1337: *In the Matter of Certain Portable Electronic Devices and Components Thereof*, Inv. No. 337-TA-___

Dear Secretary Barton:

Enclosed for filing on behalf of Complainants Creative Technology Ltd. and Creative Labs, Inc. (collectively "Creative") are the following documents in support of Creative's request that the Commission commence an investigation under Section 337 of the Tariff Act of 1930, as amended. A request for confidential treatment of **Confidential Exhibit 3** is included with this filing.

Accordingly, Creative submits the following documents:

1. An unbound original and eight (8) bound copies of the verified Complaint and the Statement of Public Interest;
2. One (1) copy of the non-confidential exhibits to the Complaint on CD-ROM;
3. A letter and certification requesting confidential treatment of **Confidential Exhibit 3**;
4. One (1) copy of **Confidential Exhibit 3** to the Complaint on CD-ROM;
5. Nineteen (19) additional copies of the verified Complaint and nineteen (19) additional CD-ROMs that contain the accompanying non-confidential exhibits, and nineteen (19) additional copies of the Statement of Public Interest for service upon the Respondents;
6. Nineteen (19) additional copies of **Confidential Exhibit 3** on CD-ROM for service on Respondents once appropriate subscriptions to a protective order have been filed;

SONY Exhibit 1005
SONY v. Creative

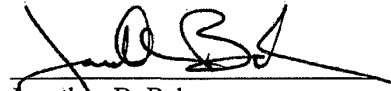
7. One (1) additional copy of the verified Complaint for service upon The Embassy of the People's Republic of China, 3505 International Place, N.W., Washington, D.C. 20008;
8. One (1) additional copy of the verified Complaint for service upon The Embassy of Japan, Massachusetts Avenue, N.W., Washington, D.C. 20008;
9. One (1) additional copy of the verified Complaint for service upon The Embassy of the Republic of Korea, 2450 Massachusetts Avenue, N.W., Washington, D.C. 20008;
10. One (1) additional copy of the verified Complaint for service upon The Embassy of Sweden, 2900 K Street, N.W., Washington, D.C. 20005;
11. One (1) additional copy of the verified Complaint for service upon The Embassy of The Republic of China on Taiwan, 4201 Wisconsin Avenue, N.W., Washington, D.C. 20016;
12. One (1) additional copy of the verified Complaint for service upon The Embassy of Canada, 501 Pennsylvania Avenue, N.W., Washington, D.C. 20001;
13. One (1) non-certified copy of U.S. Patent No. 6,928,433 ("the '433 patent"), a legible copy of which is included in the Complaint as **Exhibit 1**. Creative will supplement with a certified copy shortly;
14. One (1) non-certified copy the Reexamination Certificate for the '433 patent, a legible copy of which is included in the Complaint appended to **Exhibit 1**. Creative will supplement with a certified copy shortly;
15. One (1) non-certified copy of the assignments for the '433 patent, a legible copy of which is included in the Complaint as **Exhibit 2**. Creative will supplement with a certified copy shortly;
16. One (1) certified copy (on CD-ROM) and three (3) additional copies on CD-ROM of the prosecution history for the '433 patent, which has been designated **Appendix A1** to the Complaint;
17. One (1) certified copy (on CD-ROM) and three (3) additional copies on CD-ROM of the Reexamination history for the '433 patent, which has been designated **Appendix A2** to the Complaint;
18. Four (4) copies on CD-ROM of the references cited during the prosecution of the '433 patent, which have been designated as **Appendix B1** to the Complaint;

The Honorable Lisa R. Barton
March 24, 2016
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19. Four (4) copies on CD-ROM of the references cited during the Reexamination of the '433 patent, which have been designated as **Appendix B2** to the Complaint;

Thank you for your assistance in this matter. Please do not hesitate to contact me at (424) 268-5200 if you have any questions.

Respectfully submitted,



Jonathan D. Baker
Counsel for Complainants
Creative Technology Ltd. and
Creative Labs, Inc.

Enclosures

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Washington, D.C. 20436

Re: Complaint under 19 U.S.C. § 1337: *In the Matter of Certain Portable Electronic Devices and Components Thereof*, Inv. No. 337-TA-_____

Dear Secretary Barton:

In accordance with 19 C.F.R. §§ 201.6 and 210.5, Creative Technology Ltd. and Creative Labs, Inc. (collectively "Creative") request confidential treatment for the information contained in **Confidential Exhibit 3**.

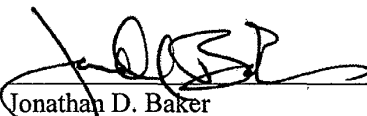
The information for which confidential treatment is sought is proprietary and sensitive information not otherwise publicly available. Specifically, **Confidential Exhibit 3** is a settlement and license agreement between Creative and Apple, Inc. ("Apple"). This is proprietary information of Creative and its licensee.

The information described above qualifies as confidential business information pursuant to Rule 201.6(a) because:

1. It is not publicly available; and
2. Unauthorized disclosure of such information could cause substantial harm to the competitive position of Creative and its licensee.

Please contact me at (424) 268-5200 if you have any questions or if this request is not granted in full. Thank you for your assistance with this matter.

Respectfully submitted,



Jonathan D. Baker
Counsel for Complainants Creative
Technology Ltd. and Creative Labs, Inc.

Enclosure

CERTIFICATION

I, Jonathan D. Baker, attorney for Complainants Creative Technology Ltd. and Creative Labs, Inc. (collectively "Creative"), do hereby declare:

1. I am duly authorized by Complainants to execute this certification.
2. I have reviewed **Confidential Exhibit 3** to Creative's Complaint for which confidential treatment has been requested.
3. To the best of my knowledge, information, and belief, founded after reasonable inquiry, this exhibit contains confidential information for which substantially identical information is not available to the public.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

Executed this 24th day of March, 2016 in San Mateo, California.


Jonathan D. Baker

**UNITED STATES INTERNATIONAL TRADE COMMISSION
WASHINGTON, D.C.**

In the Matter of

**CERTAIN PORTABLE ELECTRONIC
DEVICES AND COMPONENTS
THEREOF**

Investigation No. 337-TA-_____

**COMPLAINANT CREATIVE'S STATEMENT
REGARDING THE PUBLIC INTEREST**

Complainants Creative Technology Ltd. and Creative Labs, Inc. (collectively, "Creative") hereby submit this Statement Regarding the Public Interest pursuant to Commission Rule 210.8(b), 19 C.F.R. § 210.8. Issuance of the relief requested will not adversely impact the public health, safety, or welfare conditions in the United States, competitive conditions in the United States economy, the production of like or directly competitive articles in the United States, or United States consumers. Thus, this Investigation does not present an instance where the Commission, the parties, and the public should be required to undergo the time and expense of discovery and trial for a Recommended Determination by the ALJ on the public interest.

Creative seeks a limited exclusion order specifically directed to the proposed Respondents and certain portable electronic devices and components thereof ("the Accused Products"). Specifically Creative seeks to exclude from entry into the United States the Accused Products that infringe one or more asserted claims of U.S. Patent No. 6,928,433 ("the '433 Patent" or the "Asserted Patent"). Creative also seeks cease and desist orders prohibiting the sale for importation, importation, sale after importation, distribution, offering for sale, promoting, marketing, advertising, testing, demonstrating, warehousing inventory for distribution, solicitation of sales, programming, repairing, maintaining, using, transferring, and other

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commercial activity relating to the Accused Products that infringe one or more of the asserted claims of the Asserted Patent.

The requested Investigation does not implicate a compelling public interest that might supersede the entry of a statutory exclusion order and a cease and desist order. The Accused Products do not implicate any particular public health, safety, or welfare concerns. The Asserted Patent is not essential to any industry standard or subject to any FRAND licensing obligations. Consumers do not face any potential shortage of like or directly competitive products in the United States. Rather, Creative's licensees and third parties can meet the demand for the products that would be subject to the requested remedial orders.

Issuance of the requested remedial orders will provide effective relief in the face of ongoing patent infringement in the United States by the proposed Respondents. Protecting Creative's important intellectual property rights in the United States through the requested remedial orders will accordingly serve the public interest while having little or no adverse effect on health and welfare.

I. THE REQUESTED REMEDIAL ORDERS ARE IN ACCORD WITH THE PUBLIC INTEREST

A. The Targeted Articles Are Used in the United States for Mobile Entertainment and Communication Purposes

Respondents' products potentially subject to remedial orders in the proposed Investigation are portable electronic devices and components thereof. The portable electronic devices at issue include mobile phones and digital media players. These devices allow users to place and receive telephone calls and/or to run applications, such as digital media players. The specific Accused Products identified in the accompanying Complaint are portable electronic devices that are operable to access media tracks stored on the portable electronic device by navigating through a hierarchical categorization. The Accused Products are used by U.S.

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consumers for mobile entertainment and communication purposes. Notably, the Asserted Patent is not essential to any industry standard or subject to any FRAND licensing obligations.

B. No Public Health, Safety, or Welfare Concerns Relate To The Requested Remedial Orders

Respondents' products do not implicate any public health, safety, or welfare concerns. Specifically, the products at issue are not medical or health devices, are not otherwise health-related, and are not essential for public safety or welfare. Moreover, as discussed below, there are many sources of like, directly competitive, and substitute alternatives in the United States and no health or safety-related features are unique to Respondents' Accused Products. Accordingly, there are no public health, safety, or welfare considerations that would counsel against excluding Respondents' Accused Products.

C. Creative's Licensees and Third Parties Make Like or Directly Competitive Articles Which Could Replace the Subject Articles if They Were to be Excluded

Creative's licensees and other manufacturers make like and directly competitive articles that could replace Respondents' products if they are excluded from the United States. Indeed, there are numerous suppliers of smart phones with music player functionality in the United States that would not be subject to the requested exclusion order.

For example, Creative has licensed Apple, Inc. ("Apple"), which has the largest market share for smart phones in the United States, and the second largest market share for smart phones in the world. In addition to Creative's licensees, other manufacturers such as Huawei Technologies Co., Ltd.; Huawei Device USA, Inc.; and FutureWei Technologies, Inc. d/b/a Huawei Technologies (USA) (collectively, "Huawei"), Microsoft Corporation; Microsoft Mobile Oy (Ltd); and Microsoft Mobile Inc. f/k/a Nokia Inc. (collectively "Microsoft"), and Kyocera Corporation and Kyocera, Inc. (collectively "Kyocera") manufacture competing products.

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Huawei has the third largest market share for smart phones in the world, and has announced plans to significantly increase its market share in the United States. As such, Apple, Huawei, Microsoft, Kyocera, and other manufacturers make smart phone products with music player functionality that could replace the articles potentially subject to remedial orders in this Investigation.

D. Creative's Licensees and Third Parties Have the Capacity to Replace the Volume of Articles Subject to the Requested Remedial Orders in a Commercially Reasonable Time

Creative's licensees, such as Apple, as well as third party manufacturers have the capacity to replace the volume of products potentially subject to an exclusion order and/or a cease and desist order within a commercially reasonable time in the United States. Apple is the largest smart phone supplier in the United States, and is the number two smart phone supplier in the world. In addition, other manufacturers such as Huawei, Microsoft, and Kyocera, manufacture competing products and will be unaffected by any remedial orders issued in this Investigation. Huawei is the third largest smart phone supplier in the world, and has announced plans to significantly increase its market share in the United States. Accordingly, Apple, Huawei, Microsoft, Kyocera, and other manufacturers have the capacity to replace the volume of articles potentially subject to remedial orders in a commercially reasonable time in the United States.

E. The Requested Remedial Orders Would Minimally Impact Consumers

As indicated above, if Respondents' infringing products were excluded, consumers and carriers would not be deprived of like or competitive products and consumers would not be adversely impacted because Creative's licensees and other suppliers would easily meet U.S. market demand with devices not subject to the remedial orders. Competing products are readily available in the United States from other sources, including those licensed by Creative. Thus, the

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potential limited exclusion order and cease and desist order will have no meaningful impact on U.S. consumers. *See Certain Personal Data and Mobile Commc'n Devices and Related Software*, Inv. No. 337-TA-710, Comm'n Op. at 69, USITC Pub. No. 4332 (June 2012) (noting that "the mere constriction of choice cannot be a sufficient basis for denying the issuance of an exclusion order").

II. CONCLUSION

Issuing a limited exclusion order and cease and desist order in this Investigation against Respondents' infringing products will not negatively affect the public health, safety, or welfare in the United States, competitive conditions in the United States economy, the production of like or competitive articles in the United States, and the availability of such products to consumers. The Accused Products manufactured by these Respondents are not essential to public health and safety. Non-infringing substitute products are available and Respondents' infringing products do not implicate any unique safety-related features. Accordingly, there are no public interest concerns preventing the issuance of a limited exclusion order and a cease and desist order or that would necessitate discovery and trial on this issue by the ALJ.

Dated: March 24, 2016

Respectfully submitted,

By: 

Jonathan D. Baker
FARNEY DANIELS PC
411 Borel Avenue, Suite 350
San Mateo, California 94402
Telephone: (424) 268-5210
Facsimile: (424) 268-5219

*Counsel for Complainants
Creative Technology Ltd. and Creative
Labs, Inc.*

UNITED STATES INTERNATIONAL TRADE COMMISSION
WASHINGTON, D.C.

In the Matter of

CERTAIN PORTABLE ELECTRONIC
DEVICES AND COMPONENTS
THEREOF

Investigation No. 337-TA-_____

COMPLAINT UNDER
SECTION 337 OF THE TARIFF ACT OF 1930, AS AMENDED

COMPLAINANTS:

Creative Technology Ltd.
31 International Business Park
#03-01 Creative Resource
Singapore 609921
Telephone: +65 6895 4000

Creative Labs, Inc.
1901 McCarthy Boulevard
Milpitas, CA 95035
Telephone: (408) 428-6600

COUNSEL FOR COMPLAINANTS:

Jonathan D. Baker
Michael D. Saunders
Gurtej Singh
FARNEY DANIELS PC
411 Borel Avenue, Suite 350
San Mateo, CA 94402
Telephone: (424) 268-5200
Facsimile: (424) 268-5219

PROPOSED RESPONDENTS:

ZTE Corporation
ZTE Plaza
No. 55 Hi-Tech Road South Hi-Tech Industrial
Park
Shenzen 518057
Guangdong, China

ZTE (USA) Inc.
2425 N. Central Expressway #323
Richardson, TX 75080

Sony Corporation
1-7-1 Konan, Minato-ku,
Tokyo 108-0075, Japan

Sony Mobile Communications, Inc.
W-building 1- 8-15 Konan 1-chome
Minato-ku
Tokyo 108-0075, Japan

Sony Mobile Communications AB
(Mailing Address)
Sölvegatan 51,
223 62 Lund, Sweden
(Visiting Address)
Mobilvägen 4,
221 88 Lund, Sweden

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Sony Mobile Communications (USA), Inc.
3333 Piedmont Rd NE #600
Atlanta, GA 30305

Samsung Electronics Co., Ltd.
1320-10, Seocho 2-dong Seocho-gu
Seoul, Republic of Korea

Samsung Electronics America, Inc.
85 Challenger Rd.
Ridgefield Park, NJ 07660

Samsung Telecommunications America, LLC
1301 East Lookout Drive
Richardson, TX 75082

LG Electronics, Inc.
LG Twin Towers, 20 Yeouido-dong,
Yeongdeungpo-gu
Seoul 150-721, Republic of Korea

LG Electronics U.S.A., Inc.
1000 Sylvan Avenue
Englewood Cliffs, NJ 07632

LG Electronics Mobilecomm U.S.A., Inc.
10101 Old Grove Road
San Diego, CA 92131

Lenovo Group Ltd.
Shangdi Information Industry Base
No. 6 Chuang Ye Road, Haidan District
100085 Beijing, China

Lenovo (United States) Inc.
1009 Think Place
Morrisville, NC 27650

Motorola Mobility LLC
222 W. Merchandise Mart Plaza, Suite 1800
Chicago, IL 60654

HTC Corporation
23 Xinghua Road
Taoyuan 330, Taiwan

HTC America, Inc.
13920 SE Eastgate Way, Suite #200
Bellevue, WA 98005

Blackberry Ltd.
2200 University Ave. E
Waterloo, Ontario
Canada N2K 0A7

Blackberry Corporation
5000 Riverside Drive, Suite 100E
Irving, Texas 75039

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| 1 | U.S. Patent No. 6,928,433 C1 |
| 2 | Assignment Documents for U.S. Patent No. 6,928,433 |
| 3 | CONFIDENTIAL License Agreement between Creative and Apple |
| 4 | Claim Chart Demonstrating ZTE's Practice of U.S. Patent No. 6,928,433 |
| 5 | Claim Chart Demonstrating Sony's Practice of U.S. Patent No. 6,928,433 |
| 6A | Claim Chart Demonstrating Samsung's Practice of U.S. Patent No. 6,928,433 Using Google "Play Music" App |
| 6B | Claim Chart Demonstrating Samsung's Practice of U.S. Patent No. 6,928,433 Using "Music" App |
| 7 | Claim Chart Demonstrating LG's Practice of U.S. Patent No. 6,928,433 |
| 8 | Claim Chart Demonstrating Lenovo's Practice of U.S. Patent No. 6,928,433 |
| 9A | Claim Chart Demonstrating HTC's Practice of U.S. Patent No. 6,928,433 Using Google "Play Music" App |
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| 11 | Declaration of Gurtej Singh |
| 12 | Apple's 2015 10-K |
| 13 | Photos of Apple iPhone 6S |
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| 25 | Apple Music Production UI Engineer |
| 26 | Apple Music Client EPM |
| 27 | Janina Kutyn LinkedIn page |
| 28 | Cherif Yaya LinkedIn page |
| 29 | Julian Ross LinkedIn page |

APPENDIX OF ADDITIONAL MATERIALS

As required by 19 C.F.R. § 210.12(c), a certified copy of the prosecution history of the patent-at-issue, including the patents and technical references cited therein, is submitted in the following appendices:

- Appendix A1 – Prosecution history for U.S. Patent No. 6,928,433
- Appendix A2 – Prosecution history for the reexamination of U.S. Patent No. 6,928,433
- Appendix B1 – Patents and technical references cited in the prosecution history of U.S. Patent No. 6,928,433
- Appendix B2 – Patents and technical references cited in the prosecution history for the reexamination of U.S. Patent No. 6,928,433

I. INTRODUCTION

1. This Complaint is filed by Creative Technology Ltd. and its wholly-owned subsidiary Creative Labs, Inc. (collectively “Creative”) under Section 337 of the Tariff Act of 1930, as amended, 19 U.S.C. § 1337, based on the unlawful importation into the United States, the sale for importation, and/or the sale within the United States after importation by the owners, importers, or consignees of certain portable electronic devices and components thereof that use the claimed methods that infringe claims 2, 3, 5, 7, and 17-28 of United States Patent No. 6,928,433 C1 (“the ‘433 Patent” or “Asserted Patent”). The accused products include mobile phones and digital media players. All of the foregoing claims are asserted against all of the proposed respondents.

2. The proposed respondents are: ZTE Corporation; ZTE (USA) Inc.; Sony Corporation; Sony Mobile Communications, Inc.; Sony Mobile Communications AB; Sony Mobile Communications (USA), Inc.; Samsung Electronics Co., Ltd.; Samsung Electronics America, Inc.; LG Electronics, Inc.; LG Electronics U.S.A., Inc.; LG Electronics Mobilecomm U.S.A., Inc.; Lenovo Group Ltd.; Lenovo (United States) Inc.; Motorola Mobility, LLC; HTC Corporation; HTC America, Inc.; Blackberry Ltd.; and Blackberry Corporation.

3. A copy of the Asserted Patent, including the Reexamination Certificate, is attached as **Exhibit 1**.

4. Creative Technology Ltd. owns all right, title, and interest in the Asserted Patent.

5. An industry as required by 19 U.S.C. § 1337(a)(2) and (3) exists in the United States relating to the technology protected by the Asserted Patent.

6. Creative seeks as relief a permanent limited exclusion order barring from entry into the United States infringing portable electronic devices and components thereof, including mobile phones and digital media players. Creative also seeks as relief a cease and desist order

prohibiting importation, sale after importation, marketing, advertising, demonstrating, warehousing inventory for distribution, offering for sale, selling, distributing, licensing or use of infringing portable electronic devices and components thereof, including mobile phones and digital media players.

II. COMPLAINANTS

7. Creative Technology Ltd. is a public company organized under the laws of Singapore, with its principal place of business located at 31 International Business Park, #03-01 Creative Resource, Singapore 609921. Creative was founded in 1981 with the vision that multimedia would revolutionize the way people interact with their PCs. Creative rapidly became a worldwide leader in digital entertainment products. Famous for its Sound Blaster sound cards, which set the de-facto standard for PC audio in 1989, Creative continues to innovate in the Personal Digital Entertainment market, using groundbreaking technology and leading-edge designs for not just the technically-savvy consumers, but for everyone who enjoys entertainment. With a strong focus on user-friendly interfaces, multiple features and cool industrial designs, the Creative brand is synonymous with lifestyle Personal Digital Entertainment.

8. Creative Labs, Inc. is a wholly-owned subsidiary of Creative Technology Ltd., and is incorporated under the laws of California. Creative Labs, Inc. has its primary location at 1901 McCarthy Boulevard in Milpitas, California where operations include sales, marketing, product development, testing, and compliance.

III. PROPOSED RESPONDENTS

A. ZTE

9. Upon information and belief, proposed respondent ZTE Corporation is a corporation organized and existing under the laws of the People's Republic of China ("China"), with its principal place of business at ZTE Plaza, No. 55, Hi-Tech Road South Hi-Tech,

Industrial Park, Shenzhen 518057, Guangdong, China. Upon information and belief, ZTE Corporation is involved in at least the design, development, manufacture, sale for importation, importation, and sale after importation of infringing portable electronic devices and components thereof, including mobile phones, in the United States

10. Upon information and belief, proposed respondent ZTE (USA), Inc. is a corporation organized under the laws of the State of New Jersey with a principal place of business at 2425 N. Central Expressway #323, Richardson, Texas 75080. Upon information and belief, ZTE (USA), Inc. is involved in at least the importation, sale after importation, and distribution of ZTE Corporation's infringing portable electronic devices and components thereof, including mobile phones, in the United States.

11. Upon information and belief, ZTE (USA), Inc. is a subsidiary of ZTE Corporation (collectively, "ZTE").

B. Sony

12. Upon information and belief, proposed respondent Sony Corporation is a corporation organized under the laws of Japan with its principal place of business at 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan. Upon information and belief, Sony is involved in at least the design, development, manufacture, sale for importation, importation, and sale after importation of infringing portable electronic devices and components thereof, including mobile phones, in the United States.

13. Upon information and belief, proposed respondent Sony Mobile Communications, Inc. is a corporation organized under the laws of Japan with its principal place of business at W-building 1- 8-15 Konan 1-chome, Minato-ku, Tokyo 108-0075, Japan. Upon information and belief, Sony Mobile Communications, Inc. is involved in at least the design, development,

manufacture, sale for importation, importation, and sale after importation of infringing portable electronic devices and components thereof, including mobile phones, in the United States.

14. Upon information and belief, proposed respondent Sony Mobile Communications AB is a corporation organized under the laws of Sweden with its principal place of business at Nya Vattentornet SE-221, 88 Lund, Sweden. Upon information and belief, Sony Mobile Communications AB is involved in at least the design, development, manufacture, sale for importation, importation, and sale after importation of infringing portable electronic devices and components thereof, including mobile phones, in the United States.

15. Upon information and belief, proposed respondent Sony Mobile Communications (USA), Inc. is a corporation organized under the laws of the State of Delaware with its principal place of business at 7001 Development Drive, Research Triangle, North Carolina, 27709. Upon information and belief, Sony Mobile Communications (USA), Inc. is involved in at least the importation, sale after importation, and distribution of Sony Corporation, Sony Mobile Communication, Inc., and Sony Mobile Communications AB's infringing portable electronic devices and components thereof, including mobile phones, in the United States.

16. Upon information and belief, Sony Mobile Communications, Inc., Sony Mobile Communications AB, and Sony Mobile Communications (USA), Inc. are subsidiaries of Sony Corporation (collectively, "Sony").

C. Samsung

17. Upon information and belief, proposed respondent Samsung Electronics Co., Ltd. is a corporation organized under the laws of the Republic of Korea with its principal place of business at 1320-10, Seocho 2-dong Seocho-gu, Seoul, Republic of Korea. Upon information and belief, Samsung Electronics Co., Ltd. is involved in at least the design, development,

manufacture, sale for importation, importation, and sale after importation of infringing portable electronic devices and components thereof, including mobile phones, in the United States.

18. Upon information and belief, proposed respondent Samsung Electronics America, Inc. is a corporation organized under the laws of the State of New York with a principal place of business at 85 Challenger Road, Ridgefield Park, New Jersey 07660. Upon information and belief, Samsung Electronics America, Inc. is involved in at least the importation, sale after importation, and distribution of Samsung Electronics Co., Ltd.'s infringing portable electronic devices and components thereof, including mobile phones, in the United States.

19. Upon information and belief, Samsung Electronics America, Inc. is a subsidiary of Samsung Electronics Co., Ltd. (collectively, "Samsung").

D. LG

20. Upon information and belief, proposed respondent LG Electronics, Inc. is a corporation organized and existing under the laws of the Republic of Korea ("Korea"), with its principal place of business at LG Twin Towers, 20 Yeouido-dong, Yeongdeungpo-gu, Seoul 150-721, Republic of Korea. Upon information and belief, LG Electronics, Inc. is involved in at least the design, development, manufacture, sale for importation, importation, and sale after importation of infringing portable electronic devices and components thereof, including mobile phones, in the United States.

21. Upon information and belief, proposed respondent LG Electronics U.S.A., Inc. is a corporation organized under the laws of the State of Delaware with its principal place of business at 1000 Sylvan Avenue, Englewood Cliffs, New Jersey 07632. Upon information and belief, LG Electronics U.S.A., Inc. is involved in at least the importation, sale after importation, and distribution of LG Electronics, Inc.'s infringing portable electronic devices and components thereof, including mobile phones, in the United States.

22. Upon information and belief, proposed respondent LG Electronics Mobilecomm U.S.A., Inc. is a corporation organized under the laws of the State of California with its principal place of business at 10101 Old Grove Road, San Diego, California 92131. Upon information and belief, LG Electronics Mobilecomm U.S.A., Inc. is involved in at least the importation, sale after importation, and distribution of LG Electronics, Inc.'s infringing portable electronic devices and components thereof, including mobile phones, in the United States.

23. Upon information and belief, LG Electronics U.S.A., Inc. and LG Electronics Mobilecomm U.S.A., Inc. are subsidiaries of LG Electronics, Inc. (collectively, "LG").

E. Lenovo

24. Upon information and belief, proposed respondent Lenovo Group Ltd. is a corporation organized and existing under the laws of the People's Republic of China, with its principal place of business at Shangdi Information Industry Base, No 6 Chuang Ye Road, Haidan District, 100085 Beijing, China. Upon information and belief, Lenovo Group Ltd. is involved in at least the design, development, manufacture, sale for importation, importation, and sale after importation of infringing portable electronic devices and components thereof, including mobile phones, in the United States.

25. Upon information and belief, proposed respondent Lenovo (United States) Inc. is a corporation organized under the laws of the State of Delaware with a principal place of business at 1009 Think Place, Morrisville, North Carolina 27650. Upon information and belief, Lenovo (United States) Inc. is involved in at least the importation, sale after importation, and distribution of Lenovo Group Ltd.'s infringing portable electronic devices and components thereof, including mobile phones, in the United States.

26. Upon information and belief, proposed respondent Motorola Mobility LLC is a corporation organized under the laws of the State of Delaware with a principal place of business

at 222 W. Merchandise Mart Plaza, Suite 1800, Chicago, Illinois 60654. Upon information and belief, Motorola Mobility LLC is involved in at least the importation, sale after importation, and distribution of Lenovo Group Ltd.'s infringing portable electronic devices and components thereof, including mobile phones, in the United States.

27. Upon information and belief, Lenovo (United States), Inc. and Motorola Mobility LLC are subsidiaries of Lenovo Group Ltd. (collectively, "Lenovo").

F. HTC

28. Upon information and belief, proposed respondent HTC Corporation is a corporation organized under the laws of Taiwan with a principal place of business at 23 Xinghua Road, Taoyuan 330, Taiwan. Upon information and belief, HTC Corporation is involved in at least the design, development, manufacture, sale for importation, importation, and sale after importation of infringing portable electronic devices and components thereof, including mobile phones, in the United States.

29. Upon information and belief, proposed respondent HTC America, Inc. ("HTC America") is a corporation organized under the laws of the State of Washington with its principal place of business at 13920 SE Eastgate Way, Suite #200, Bellevue, Washington 98005. Upon information and belief, HTC America is involved in at least the importation, sale after importation, and distribution of HTC Corporation's infringing portable electronic devices and components thereof, including mobile phones, in the United States.

30. Upon information and belief, HTC America is a subsidiary of HTC Corporation (collectively, "HTC").

G. Blackberry

31. Upon information and belief, proposed respondent Blackberry Ltd. is a corporation organized under the laws of Canada with a principal place of business at 2200

University Ave. E, Waterloo, ON, N2K 0A7 Canada. Upon information and belief, Blackberry Ltd. is involved in at least the design, development, manufacture, sale for importation, importation, and sale after importation of infringing portable electronic devices and components thereof, including mobile phones, in the United States.

32. Upon information and belief, proposed respondent Blackberry Corporation is a corporation organized under the laws of the State of Texas with its principal place of business at 5000 Riverside Drive, Suite 100E, Irving, Texas 75039. Upon information and belief, Blackberry Corporation is involved in at least the importation, sale after importation, and distribution of Blackberry Ltd.'s infringing portable electronic devices and components thereof, including mobile phones, in the United States.

33. Upon information and belief, Blackberry Corporation is a subsidiary of Blackberry Ltd. (collectively "Blackberry").

IV. THE TECHNOLOGY

34. Creative was one of the first companies to invest in the research, development and commercialization of portable media players, then referred to as MP3 players. Creative's first digital media players used flash memory as the storage medium. One drawback of these players was that the storage capacity of flash memory was limited at that time to an hour or two of music. Creative envisioned the market potential for significantly higher capacity portable electronic devices and began development of the NOMAD® Jukebox using a high-capacity hard drive as the storage medium. The number of songs that could be stored on this portable electronic device was dramatically greater than the flash based devices – up to 1,000 songs. However, the large number of tracks/songs presented a significant and pressing challenge – how to conveniently organize and access the ever-growing number of songs stored on these devices in view of their small display screens and limited controls.

35. Excited by the market potential and need for a user interface for organizing, navigating and accessing music on portable electronic devices, Creative seized the opportunity to invent a solution – a way to manage a large amount of music in a manner that allows end users to access songs in a logical and user-friendly manner through sequential steps displayed on the small screen of a portable electronic device. After months of ongoing work and development, a team of Creative’s engineers in Scotts Valley, California invented a user-friendly interface that simplified navigation on portable electronic devices. This now-patented invention is directed to methods of accessing media tracks (e.g., music) stored on a portable electronic device by navigating through a hierarchical categorization such as artist, artist name, and song title or genre, genre type, and song title.

36. Eager to market and benefit from the invention, Creative announced its anticipated release of the NOMAD Jukebox and presented the first prototype devices at the Consumer Electronics Show (CES) in January 2000. With a 6GB storage capacity, the Creative NOMAD Jukebox could store more than 100 hours of digital media and up to 1,000 songs. More importantly, the NOMAD Jukebox used the revolutionary accessing methods claimed in the ‘433 Patent to provide users with a convenient interface for managing and accessing all those songs. The NOMAD Jukebox and the user interface encompassed by the ‘433 Patent set the standard for this new industry of portable media players.

37. On January 16, 2001, Creative announced that it had already shipped 100,000 units of the NOMAD Jukebox portable electronic device. By 2006, Creative’s portable electronic devices featuring its patented user interface had won numerous prestigious awards worldwide, including: The “Best of CES” awards in 2004, 2005 and 2006 and the overall “Best in Show” award at CES in 2006; Best of Show awards in each of the first two, 2004 and 2005,

DigitalLife consumer shows; Editor's Choice or other top editorial awards from PC Magazine, PC Gamer, Laptop, Maximum PC, PC World, Computer Shopper, CNET.com, Sound & Vision magazine and many others.

38. These innovative inventions of the '433 Patent have now become ubiquitous in the industry. While Apple, Inc., which uses these inventions in its iPod and iPhone products, has taken a license, others in the industry have made use of Creative's invention without permission.

V. THE PATENT-AT-ISSUE AND NON-TECHNICAL DESCRIPTION OF THE INVENTION

A. Overview and Ownership of the Asserted Patent

39. Creative Technology Ltd. owns by assignment the entire right, title, and interest in and to the Asserted Patent. **Exhibit 2.**

40. Pursuant to Commission Rule 210.12(c), this Complaint includes a certified copy and three additional copies of the prosecution history of the Asserted Patent. **See Appendix A1.** Pursuant to Commission Rule 210.12(c), this Complaint includes four copies of each patent and technical reference mentioned in the prosecution history of the Asserted Patent. **See Appendix B1.**

41. Further, pursuant to Commission Rule 210.12(c), this Complaint includes a certified copy and three additional copies of the prosecution history of the reexamination of the Asserted Patent. **See Appendix A2.** Pursuant to Commission Rule 210.12(c), this Complaint includes four copies of each patent and technical reference mentioned in the prosecution history of the reexamination of the Asserted Patent. **See Appendix B2.**

B. The '433 Patent

1. Identification of the '433 Patent and Asserted Claims

42. United States Patent No. 6,928,433 entitled "Automatic Hierarchical Categorization of Music by Metadata" issued on August 9, 2005 and a reexamination certificate issued on October 8, 2012. The '433 Patent expires on November 24, 2021 and is based on United States Patent Application No. 09/755,723 filed on January 5, 2001.

43. The '433 Patent has one independent claim that was cancelled during the reexamination. Following the reexamination, there are 16 dependent claims, including 7 claims that depend directly from claim 1.

2. Non-Technical Description of the '433 Patent¹

44. The Asserted Patent claims various methods for accessing different types of data (such as music or video files) on a portable media player.

45. To permit ease of use, the claimed methods utilize data about each music file, such as information about the artist, album, song name, genre, etc. A hierarchical categorization is created that has at least three levels: category, subcategory, and item. The songs are populated throughout the branches of the hierarchy using the associated data such that an individual song can be reached through different routes. Access is provided through a user-friendly interface that has three screens which are displayed sequentially.

46. By utilizing the data associated with each music file and combining a set of display screens, the claimed methods allow a user to navigate to individual songs and to play or add songs, or groups of songs, to playlists. Likewise, if the user desires to play a particular list of songs, the hierarchical categorizations can be used to locate and select the songs to be played.

¹ This non-technical description of the '433 Patent is intended to provide a generalized explanation of the patent rather than a legal description of its metes and bounds. Accordingly, this non-technical description should not be used for claim construction purposes.

C. Foreign Counterparts to the Asserted Patent

47. No foreign patent applications have been filed that correspond to the Asserted Patent. Accordingly, there are no foreign counterparts to the Asserted Patent.

D. Licenses

48. The Asserted Patent has been licensed to Apple Inc. (“Apple”).

49. As disclosed in public press releases, on or about October 6, 2006, Apple paid Creative \$100,000,000 for a nonexclusive license under the Asserted Patent. A copy of the Apple license agreement is attached as **Confidential Exhibit 3**.

50. The Asserted Patent has also been licensed to Archos S.A. and Archos, Inc. (collectively, “Archos”).

51. The Asserted Patent has not been licensed to any other third parties.

VI. UNFAIR ACTS OF THE PROPOSED RESPONDENTS

A. ZTE

52. On information and belief, infringing portable electronic devices and components thereof, including mobile phones, are sold for importation, imported, and sold after importation in the United States by or on behalf of ZTE.

53. Examples of ZTE accused devices are the Axon Pro mobile phone and other ZTE mobile phones containing either: (a) the Google “Play Music” app (version 5.8.1810R.1720607), or (b) the ZTE “Music” app (version 3.0.0.7272), which has been installed on the phone prior to importation. This identification of specific products, models, apps, and versions is not intended to limit the scope of the investigation, and any remedy should extend to all infringing products. On information and belief, these products infringe claims 2, 3, 5, 7, and 17-28 of the '433 Patent.

54. A chart comparing claims 2, 3, 5, 7, and 17-28 of the '433 Patent to ZTE's Axon Pro is attached as **Exhibit 4**.

1. Direct Infringement

55. ZTE has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, Creative's '433 Patent by practicing the claimed methods of the '433 Patent through activities such as use, testing, and product support of the ZTE accused devices.

2. Inducement of Infringement

56. ZTE also actively and knowingly aids and abets the direct infringement of Creative's '433 Patent by ZTE's customers, constituting active inducement to infringe under 35 U.S.C. § 271(b).

57. ZTE induces infringement of the method claims of the '433 Patent by actively inducing its customers in the United States to operate the ZTE accused devices in a manner that directly infringes the asserted claims at least by selling the devices with a user interface that is designed to encourage users to operate the devices in an infringing manner, and by providing instructions, manuals, and technical support. ZTE has engaged in these actions with either the specific intent to cause infringement or with willful blindness to the infringement that it is causing. On information and belief, at least one customer and/or end user of the ZTE accused devices has directly infringed one or more of the asserted claims of the '433 Patent.

58. Creative provided actual notice of the '433 Patent and the Reexamination Certificate to ZTE in a letter sent on or about March 16, 2016.

59. ZTE has had actual knowledge of the '433 Patent and its infringement thereof through actual notice provided by Creative before the filing of this Complaint, at least as of the date of receipt of the March 16, 2016 letter.

60. ZTE engages in these unlawful acts despite its actual knowledge of the '433 Patent.

B. Sony

61. On information and belief, infringing portable electronic devices and components thereof, including mobile phones, are sold for importation, imported, and sold after importation in the United States by or on behalf of Sony.

62. Examples of Sony accused devices are the Xperia Z3+ mobile phone and other Sony mobile phones containing either: (a) the Google "Play Music" app (version 5.9.1854R.1904527), or (b) the Sony "Music" app (version 9.0.2.A.0.0), which has been installed on the phone prior to importation. This identification of specific products, models, apps, and versions is not intended to limit the scope of the investigation, and any remedy should extend to all infringing products. On information and belief, these products infringe at least claims 2, 3, 5, 7, and 17-28 of the '433 Patent.

63. A chart comparing claims 2, 3, 5, 7, and 17-28 of the '433 Patent to Sony's Xperia Z3+ is attached as **Exhibit 5**.

1. Direct Infringement

64. Sony has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, Creative's '433 Patent by practicing the claimed methods of the '433 Patent through activities such as use, testing, and product support of the Sony accused devices.

2. Inducement of Infringement

65. Sony also actively and knowingly aids and abets the direct infringement of Creative's '433 Patent by Sony's customers, constituting active inducement to infringe under 35 U.S.C. § 271(b).

66. Sony induces infringement of the method claims of the '433 Patent by actively inducing its customers in the United States to operate the Sony accused devices in a manner that directly infringes the asserted claims at least by selling the devices with a user interface that is designed to encourage users to operate the devices in an infringing manner, and by providing instructions, manuals, and technical support. Sony has engaged in these actions with either the specific intent to cause infringement or with willful blindness to the infringement that it is causing. On information and belief, at least one customer and/or end user of the Sony accused devices has directly infringed one or more of the asserted claims of the '433 Patent.

67. Creative provided actual notice of the '433 patent to Sony in a letter sent on or about February 16, 2007. Creative also provided actual notice to Sony of the issuance of the Reexamination Certificate for the '433 Patent in a letter sent on or about November 11, 2013.

68. Sony has had actual knowledge of the '433 Patent and its infringement thereof through actual notice provided by Creative before the filing of this Complaint, at least as of the date of receipt of the February 16, 2007 and/or November 11, 2013 letters.

69. Sony engages in these unlawful acts despite its actual knowledge of the '433 Patent.

C. Samsung

70. On information and belief, infringing portable electronic devices and components thereof, including mobile phones, are sold for importation, imported, and sold after importation in the United States by or on behalf of Samsung .

71. Examples of Samsung accused devices are the Galaxy S6 mobile phone and other Samsung mobile phones containing either: (a) the Google "Play Music" app (version 5.9.1854R.1904527), or (b) the Samsung "Music" app (version 6.0.1508051449), which has been installed on the phone prior to importation. This identification of specific products, models,

apps, and versions is not intended to limit the scope of the investigation, and any remedy should extend to all infringing products. On information and belief, these products infringe at least claims 2, 3, 5, 7, and 17-28 of the '433 Patent.

72. A chart comparing claims 2, 3, 5, 7, and 17-28 of the '433 Patent to Samsung's Galaxy S6 using the pre-installed Google Play Music app is attached as **Exhibit 6A**. A chart comparing claims 2, 3, 5, 7, 17-20, 23, and 24 of the '433 Patent to Samsung's Galaxy S6 using the pre-installed Samsung Music app is attached as **Exhibit 6B**.

1. Direct Infringement

73. Samsung has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, Creative's '433 Patent by practicing the claimed methods of the '433 Patent through activities such as use, testing, and product support of the Samsung accused devices.

2. Inducement of Infringement

74. Samsung also actively and knowingly aids and abets the direct infringement of Creative's '433 Patent by Samsung's customers, constituting active inducement to infringe under 35 U.S.C. § 271(b).

75. Samsung induces infringement of the method claims of the '433 Patent by actively inducing its customers in the United States to operate the Samsung accused devices in a manner that directly infringes the asserted claims at least by selling the devices with a user interface that is designed to encourage users to operate the devices in an infringing manner, and by providing instructions, manuals, and technical support. Samsung has engaged in these actions with either the specific intent to cause infringement or with willful blindness to the infringement that it is causing. On information and belief, at least one customer and/or end user of the

Samsung accused devices has directly infringed one or more of the asserted claims of the '433 Patent.

76. Creative provided actual notice of the '433 patent to Samsung in a letter sent on or about February 22, 2007. Creative also provided actual notice to Samsung of the issuance of the Reexamination Certificate for the '433 Patent in a letter sent on or about November 11, 2013.

77. Samsung has had actual knowledge of the '433 Patent and its infringement thereof through actual notice provided by Creative before the filing of this Complaint, at least as of the date of receipt of the February 22, 2007 and/or November 11, 2013 letters.

78. Samsung engages in these unlawful acts despite its actual knowledge of the '433 Patent.

D. LG

79. On information and belief, infringing portable electronic devices and components thereof, including mobile phones, are sold for importation, imported, and sold after importation in the United States by or on behalf of LG .

80. Examples of LG accused devices are the LG G4 mobile phone and other LG mobile phones containing either: (a) the Google "Play Music" app (version 5.9.1854R.1904527), or (b) the LG "Music" app (version 4.51.8), which has been installed on the phone prior to importation. This identification of specific products, models, apps, and versions is not intended to limit the scope of the investigation, and any remedy should extend to all infringing products. On information and belief, these products infringe at least claims 2, 3, 5, 7, and 17-28 of the '433 Patent.

81. A chart comparing claims 2, 3, 5, 7, and 17-28 of the '433 Patent to LG's G4 is attached as **Exhibit 7**.

1. Direct Infringement

82. LG has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, Creative's '433 Patent by practicing the claimed methods of the '433 Patent through activities such as use, testing, and product support of the LG accused devices.

2. Inducement of Infringement

83. LG also actively and knowingly aids and abets the direct infringement of Creative's '433 Patent by LG's customers, constituting active inducement to infringe under 35 U.S.C. § 271(b).

84. LG induces infringement of the method claims of the '433 Patent by actively inducing its customers in the United States to operate the LG accused devices in a manner that directly infringes the asserted claims at least by selling the devices with a user interface that is designed to encourage users to operate the devices in an infringing manner, and by providing instructions, manuals, and technical support. LG has engaged in these actions with either the specific intent to cause infringement or with willful blindness to the infringement that it is causing. On information and belief, at least one customer and/or end user of the LG accused devices has directly infringed one or more of the asserted claims of the '433 Patent.

85. Creative provided actual notice of the '433 patent to LG in a letter sent on or about February 16, 2007. Creative also provided actual notice to LG of the issuance of the Reexamination Certificate for the '433 Patent in a letter sent on or about November 11, 2013.

86. LG has had actual knowledge of the '433 Patent and its infringement thereof through actual notice provided by Creative before the filing of this Complaint, at least as of the date of receipt of the February 16, 2007 and/or November 11, 2013 letters.

87. LG engages in these unlawful acts despite its actual knowledge of the '433 Patent.

E. Lenovo

88. On information and belief, infringing portable electronic devices and components thereof, including mobile phones, are sold for importation, imported, and sold after importation in the United States by or on behalf of Lenovo .

89. Examples of Lenovo accused devices are the Moto X mobile phone and other Lenovo mobile phones containing the Google “Play Music” app (version 5.9.1854R.1904527), which has been installed on the phone prior to importation. This identification of specific products, models, apps, and versions is not intended to limit the scope of the investigation, and any remedy should extend to all infringing products. On information and belief, these products infringe at least claims 2, 3, 5, 7, and 17-28 of the ’433 Patent.

90. A chart comparing claims 2, 3, 5, 7, and 17-28 of the ’433 Patent to Lenovo’s Moto X Pure Edition is attached as **Exhibit 8**.

1. Direct Infringement

91. Lenovo has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, Creative’s ’433 Patent by practicing the claimed methods of the ’433 Patent through activities such as use, testing, and product support of the Lenovo accused devices.

2. Inducement of Infringement

92. Lenovo also actively and knowingly aids and abets the direct infringement of Creative’s ’433 Patent by Lenovo’s customers, constituting active inducement to infringe under 35 U.S.C. § 271(b).

93. Lenovo induces infringement of the method claims of the ’433 Patent by actively inducing its customers in the United States to operate the Lenovo accused devices in a manner that directly infringes the asserted claims at least by selling the devices with a user interface that

is designed to encourage users to operate the devices in an infringing manner, and by providing instructions, manuals, and technical support. Lenovo has engaged in these actions with either the specific intent to cause infringement or with willful blindness to the infringement that it is causing. On information and belief, at least one customer and/or end user of the Lenovo accused devices has directly infringed one or more of the asserted claims of the '433 Patent.

94. Creative provided actual notice of the '433 patent to Motorola Mobility LLC (f/k/a Motorola, Inc. and Motorola Mobility, Inc.) in a letter sent on or about April 12, 2010. Creative also provided actual notice to Motorola Mobility LLC of the issuance of the Reexamination Certificate for the '433 Patent in a letter sent on or about November 11, 2013. Upon information and belief, Lenovo (United States), Inc. and Lenovo Group Ltd. received actual notice of the '433 patent and of the issuance of the Reexamination Certificate via their subsequent acquisition of Motorola Mobility LLC.

95. Lenovo has had actual knowledge of the '433 Patent and its infringement thereof through actual notice provided by Creative before the filing of this Complaint, at least as of the date of receipt of the April 12, 2010 and/or November 11, 2013 letters.

96. Lenovo engages in these unlawful acts despite its actual knowledge of the '433 Patent.

F. HTC

97. On information and belief, infringing portable electronic devices and components thereof, including mobile phones, are sold for importation, imported, and sold after importation in the United States by or on behalf of HTC.

98. Examples of HTC accused devices are the One M9 mobile phone and other HTC mobile phones containing either: (a) the Google "Play Music" app (version 5.7.1788Q.1634597), or (b) the HTC "Music" app (version 7.0.49336), which has been installed

on the phone prior to importation. This identification of specific products, models, apps, and versions is not intended to limit the scope of the investigation, and any remedy should extend to all infringing products. On information and belief, these products infringe at least claims 2, 3, 5, 7, and 17-28 of the '433 Patent.

99. A chart comparing claims 2, 3, 5, 7, and 17-28 of the '433 Patent to HTC's One M9 using the pre-installed Google Play Music app is attached as **Exhibit 9A**. A chart comparing claims 2, 3, 5, 7, 17-20, 23, and 24 of the '433 Patent to HTC's One M9 using the pre-installed HTC Music app is attached as **Exhibit 9B**.

1. Direct Infringement

100. HTC has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, Creative's '433 Patent by practicing the claimed methods of the '433 Patent through activities such as use, testing, and product support of the HTC accused devices.

2. Inducement of Infringement

101. HTC also actively and knowingly aids and abets the direct infringement of Creative's '433 Patent by HTC's customers, constituting active inducement to infringe under 35 U.S.C. § 271(b).

102. HTC induces infringement of the method claims of the '433 Patent by actively inducing its customers in the United States to operate the HTC accused devices in a manner that directly infringes the asserted claims at least by selling the devices with a user interface that is designed to encourage users to operate the devices in an infringing manner, and by providing instructions, manuals, and technical support. HTC has engaged in these actions with either the specific intent to cause infringement or with willful blindness to the infringement that it is

causing. On information and belief, at least one customer and/or end user of the HTC accused devices has directly infringed one or more of the asserted claims of the '433 Patent.

103. Creative provided actual notice of the '433 patent to HTC in a letter sent on or about October 28, 2009. Creative also provided actual notice to HTC of the issuance of the Reexamination Certificate for the '433 Patent in a letter sent on or about November 11, 2013.

104. HTC has had actual knowledge of the '433 Patent and its infringement thereof through actual notice provided by Creative before the filing of this Complaint, at least as of the date of receipt of the October 28, 2009 and/or November 11, 2013 letters.

105. HTC engages in these unlawful acts despite its actual knowledge of the '433 Patent.

G. Blackberry

106. On information and belief, infringing portable electronic devices and components thereof, including mobile phones, are sold for importation, imported, and sold after importation in the United States by or on behalf of Blackberry .

107. Examples of Blackberry accused devices are the Priv mobile phone and other Blackberry mobile phones containing the Google "Play Music" app (version 6.0.1945S.2039625), which has been installed on the phone prior to importation. This identification of specific products, models, apps, and versions is not intended to limit the scope of the investigation, and any remedy should extend to all infringing products. On information and belief, these products infringe at least claims 2, 3, 5, 7, and 17-28 of the '433 Patent.

108. A chart comparing claims 2, 3, 5, 7, and 17-28 of the '433 Patent to Blackberry's Priv is attached as **Exhibit 10**.

1. Direct Infringement

109. Blackberry has directly infringed and continues to directly infringe, both literally and under the doctrine of equivalents, Creative's '433 Patent by practicing the claimed methods of the '433 Patent through activities such as use, testing, and product support of the Blackberry accused devices.

2. Inducement of Infringement

110. Blackberry also actively and knowingly aids and abets the direct infringement of Creative's '433 Patent by Blackberry's customers, constituting active inducement to infringe under 35 U.S.C. § 271(b).

111. Blackberry induces infringement of the method claims of the '433 Patent by actively inducing its customers in the United States to operate the Blackberry accused devices in a manner that directly infringes the asserted claims at least by selling the devices with a user interface that is designed to encourage users to operate the devices in an infringing manner, and by providing instructions, manuals, and technical support. Blackberry has engaged in these actions with either the specific intent to cause infringement or with willful blindness to the infringement that it is causing. On information and belief, at least one customer and/or end user of the Blackberry accused devices has directly infringed one or more of the asserted claims of the '433 Patent.

112. Creative provided actual notice of the '433 patent to Blackberry in a letter sent on or about October 9, 2009. Creative also provided actual notice to Blackberry of the issuance of the Reexamination Certificate for the '433 Patent in a letter sent on or about November 11, 2013.

113. Blackberry has had actual knowledge of the '433 Patent and its infringement thereof through actual notice provided by Creative before the filing of this Complaint at least as of the date of receipt of the October 9, 2009 and/or November 11, 2013 letters.

114. Blackberry engages in these unlawful acts despite its actual knowledge of the '433 Patent.

VII. SPECIFIC INSTANCES OF UNFAIR IMPORTATION AND SALE

A. ZTE

115. On information and belief, ZTE imports, sells for importation into the United States and/or sells within the United States after importation, portable electronic devices and components thereof, including mobile phones, that infringe the asserted claims of the '433 Patent. An exemplary product is the Axon Pro mobile phone.

116. Prior to filing the Complaint, representatives for Creative purchased a representative imported ZTE portable electronic device in the United States. **Exhibit 11**, Singh Declaration at Attachments A and B, includes a receipt for the purchase of a representative ZTE Axon Pro, and a series of photographs of the device and of the box in which the device was delivered. The label on the box discloses a ZTE logo, as does a label on the device itself. *See id.* A label on the box states that the device was made in China. *See id.* The Google Play Music app was already on the device at the time the device was first powered on. *See Exhibit 11.*

B. Sony

117. On information and belief, Sony imports, sells for importation into the United States and/or sells within the United States after importation, portable electronic devices and components thereof, including mobile phones, that infringe the asserted claims of the '433 Patent. An exemplary product is the Xperia Z3+ mobile phone.

118. Prior to filing the Complaint, representatives for Creative purchased a representative imported Sony portable electronic device in the United States. **Exhibit 11**, Singh Declaration at Attachments C and D, includes a receipt for the purchase of a representative Sony Xperia Z3+, and a series of photographs of the device and of the box in which the device was

delivered. The label on the box discloses a Sony logo, as does a label on the device itself. *See id.* A label on the box states that the device was made in China. *See id.* The Google Play Music app was already on the device at the time the device was first powered on. *See Exhibit 11.*

C. Samsung

119. On information and belief, Samsung imports, sells for importation into the United States and/or sells within the United States after importation, portable electronic devices and components thereof, including mobile phones, that infringe the asserted claims of the '433 Patent. An exemplary product is the Galaxy S6 mobile phone.

120. Prior to filing the Complaint, representatives for Creative purchased a representative imported Samsung portable electronic device in the United States. **Exhibit 11**, Singh Declaration at Attachments E and F, includes a receipt for the purchase of a representative Samsung Galaxy S6, and a series of photographs of the device and of the box in which the device was delivered. The label on the box discloses a Samsung logo, as does a label on the device itself. *See id.* A label on the backside of the phone states that the device was made in Vietnam. *See id.* The Google Play Music app and the Music app were already on the device at the time the device was first powered on. *See Exhibit 11.*

D. LG

121. On information and belief, LG imports, sells for importation into the United States and/or sells within the United States after importation, portable electronic devices and components thereof, including mobile phones, that infringe the asserted claims of the '433 Patent. An exemplary product is the G4 mobile phone.

122. Prior to filing the Complaint, representatives for Creative purchased a representative imported LG portable electronic device in the United States. **Exhibit 11**, Singh Declaration at Attachments G and H, includes a receipt for the purchase of a representative LG

G4, and a series of photographs of the device and of the box in which the device was delivered. The label on the box discloses a LG logo, as does a label on the device itself. *See id.* A label on the box states that the device was made in Korea. *See id.* The Google Play Music app was already on the device at the time the device was first powered on. *See Exhibit 11.*

E. Lenovo

123. On information and belief, Lenovo imports, sells for importation into the United States and/or sells within the United States after importation, portable electronic devices and components thereof, including mobile phones, that infringe the asserted claims of the '433 Patent. An exemplary product is the Moto X Pure Edition mobile phone.

124. Prior to filing the Complaint, representatives for Creative purchased a representative imported Lenovo portable electronic device in the United States. **Exhibit 11**, Singh Declaration at Attachments I and J, includes a receipt for the purchase of a representative Lenovo Moto X Pure Edition, and a series of photographs of the device and of the box in which the device was delivered. The label on the box discloses a Motorola logo, as does a label on the device itself. *See id.* A label on the box states that the device was made in China. *See id.* The Google Play Music app was already on the device at the time the device was first powered on. *See Exhibit 11.*

F. HTC

125. On information and belief, HTC imports, sells for importation into the United States and/or sells within the United States after importation, portable electronic devices and components thereof, including mobile phones, that infringe the asserted claims of the '433 Patent. An exemplary product is the One M9 mobile phone.

126. Prior to filing the Complaint, representatives for Creative purchased a representative imported HTC portable electronic device in the United States. **Exhibit 11**, Singh

Declaration at Attachments K and L, includes a receipt for the purchase of a representative HTC One M9, and a series of photographs of the device and of the box in which the device was delivered. The label on the box discloses a HTC logo, as does a label on the device itself. *See id.* A label on the box states that the device was made in Taiwan. *See id.* The Google Play Music app and the Music app were already on the device at the time the device was first powered on. *See Exhibit 11.*

G. Blackberry

127. On information and belief, Blackberry imports, sells for importation into the United States and/or sells within the United States after importation, portable electronic devices and components thereof, including mobile phones, that infringe the asserted claims of the '433 Patent. An exemplary product is the Priv mobile phone.

128. Prior to filing the Complaint, representatives for Creative purchased a representative imported Blackberry portable electronic device in the United States. **Exhibit 11**, Singh Declaration at Attachments M and N, includes a receipt for the purchase of a representative Blackberry Priv, and a series of photographs of the device and of the box in which the device was delivered. The label on the box discloses a Blackberry logo, as does a label on the device itself. *See id.* A label on the box states that the device was made in Mexico. *See id.* The Google Play Music app was already on the device at the time the device was first powered on. *See Exhibit 11.*

VIII. HARMONIZED TARIFF SCHEDULE ITEM NUMBERS

129. On information and belief, the infringing products have been imported into the United States under, at a minimum, sections 8517.11.00 and 8517.12.00 and their subsections of the United States Harmonized Tariff Schedule. These Harmonized Tariff Schedule numbers are

illustrative only and are not intended to restrict the accused products and/or the scope of this investigation.

IX. DOMESTIC INDUSTRY

130. In accordance with Section 337(a)(2) and (a)(3), a domestic industry exists or is in the process of being established in the United States in connection with the Asserted Patent. Specifically, the domestic industry in the United States for products covered by the Asserted Patent has been developed by Creative's licensee under the Asserted Patent.

A. Licensee Activities in the United States

131. Creative has granted a license to practice the Asserted Patent to Apple, Inc., a California company, which has established a domestic industry in the United States relating to the Asserted Patent.

132. Apple—a market leader of portable electronic devices—has made extensive use of the inventions claimed in the Asserted Patent. Apple has sold and continues to sell iPod and iPhone products in the United States that practice the inventions of the Asserted Patent (the “Apple Licensed Products”).

133. Images of examples of the Apple Licensed Products are attached hereto as **Exhibit 13**. Claim charts showing that the Apple Licensed Products practice at least claim 5 of the Asserted Patent are attached hereto as **Exhibit 14**.

134. Creative is informed and believes, and thereon alleges, that Apple has made and continues to make significant investments in plant and equipment and to employ significant labor and capital in the United States with respect to the Apple Licensed Products. Additionally, Creative is informed and believes, and thereon alleges, that Apple has made and continues to make substantial investments in exploitation of the Asserted Patent in the United States including research, development, and engineering of the Apple Licensed Products. For example, Apple is

headquartered in Cupertino, California and each iPod and iPhone product prominently states on the back of the device that it was “Designed by Apple in California.” See **Exhibit 15** (Photos of Apple iPhone 6S).

135. Apple also reports employing more than 76,000 people in the United States and owning or leasing 25.6 millions square feet of building space, primarily in the United States in 2015. See **Exhibits 12 and 15** (Apple’s 2015 Form 10-K; and 2016-01-27 About – Job Creation – Apple). Apple’s U.S. plants include “facilities and land for R&D and corporate functions in San Jose, California and Cupertino, California.” See **Exhibit 12** (Apple’s 2015 Form 10-K). Among these facilities is Apple’s current headquarters at 1 Infinite Loop, Cupertino, California, which hosts 3,000 employees on an 865,000 square foot campus. See **Exhibit 16** (Economic and Fiscal Impacts Report). Additionally, Apple has “facilities in Elk Grove, California that included warehousing and distribution operations.” See **Exhibit 12** (Apple’s 2015 Form 10-K).

136. Additionally, as of the filing date of this Complaint, Apple is continuing to expand its facilities in Cupertino and Elk Grove. For example, Apple is in the process of building its “second corporate campus” in Cupertino, CA. See **Exhibit 12** (Apple’s 2015 Form 10-K). This new facility, which is currently under construction, is estimated to cost between \$3 and \$5 billion U.S. Dollars, and is expected to be completed by the end of 2016. See **Exhibits 17 & 18** (Inside Apple’s Plans for Its Futuristic, \$5 Billion Headquarters; and Apple Campus 2 Construction Update). This new facility is expected to accommodate approximately 12,000 Apple employees in its 2.8 million square feet main building. See **Exhibit 19** (Apple Campus 2 Project Description). Apple’s current Cupertino-based employees are estimated to earn approximately \$2 billion U.S. Dollars in annual salary, and with completion of Apple’s second campus, that salary is expected to rise to \$2.9 billion U.S. Dollars. See **Exhibit 16** (Economic

and Fiscal Impacts Report). At Apple's facility in Elk Grove, in September of 2015, Apple sought approval to add 1,400 parking spaces to the facility, where in addition to "warehousing and distribution operations," it is also believed that in excess of 750 employees perform repairs on at least Apple's iPhone products. *See Exhibits 12 & 20* (Apple's 2015 Form 10-K; and Apple Seems Keen on Elk Grove Expansion). Additionally, in December of 2015, it was reported that Apple was performing substantial improvements to its facilities in Elk Grove, California, "converting a 134,000-square-foot warehouse into a logistics operation." *See Exhibit 21* (Something Big is Brewing at Apple's Elk Grove Campus).

137. Apple also reports its iPhone products, which includes the Apple Licensed Products, as its foremost product category. *See Exhibit 12* (Apple's 2015 Form 10-K). In particular, Apple's iPhone products account for approximately 66.3% of Apple's worldwide sales. *See Exhibit 12* (Apple's 2015 Form 10-K). Accordingly, on information and belief, a substantial portion of the Apple total investments in plant and equipment, employment of labor and capital, and investments in engineering and research and development has been related to the Apple Licensed Products in an amount that will be determined in discovery. Apple reports spending \$8.0 billion U.S. Dollars on research and development in 2015. *See Exhibit 12* (Apple's 2015 Form 10-K). On information and belief, all or substantially all of Apple's research and development for the Apple Licensed Products is conducted in the United States. Conservatively assuming that Apple's research and development budget is allocated to product categories in proportion to the relative sales revenue generated by those product categories, it is estimated from the foregoing figures that Apple's annual expenditure for research and development in the United States related to the Apple Licensed Products is at least \$5.3 billion U.S. Dollars.

138. Further, Creative is informed and believes, and thereon alleges, that Apple provides customer support, technical service, and repair and replacement of parts for the Apple Licensed Products in the United States. For example, as stated above, Apple's Elk Grove, California facility is reported to employ in excess of 750 employees for repair of iPhone products. Additionally, Apple reports that it has customer support call centers in Elk Grove, California, and Austin, Texas. See **Exhibit 12** (Apple's 2015 Form 10-K).

139. Apple's investment in plant, equipment, labor, capital, engineering, and research and development in the United States is also specifically related to those portions of the Apple Licensed Products primarily responsible for practicing the Asserted Patent. As further demonstrated in **Exhibit 14**, the Apple Licensed Products have pre-installed software called "iOS," which is a combination of operating system software and other Apple applications which come pre-installed on each Apple Licensed Product. Apple continually releases new versions of the iOS software, and the Apple Licensed Products generally come with a recent version of the iOS software pre-installed. Additionally, users of Apple Licensed Products can also upgrade to more recent versions of Apple's iOS software when such versions are released. Also as identified in **Exhibit 14**, among the applications included in iOS on the Apple Licensed Products is the "Music" or "Apple Music" application which is largely responsible for performing the functionality of the Asserted Patent in the Apple Licensed Products. Apple explains that its "financial condition and operating results depend substantially on the Company's ability to continually improve iOS and iOS devices in order to maintain their functional and design advantages." See **Exhibit 12** (Apple's 2015 Form 10-K). Thus, Apple continually develops and improves the iOS software, including the Apple Music application. For example, in "iOS 9.2," released by Apple on December 8, 2015, Apple implemented a new version of the Apple Music

application, including new “improvements,” such as “create a new playlist when adding a song to a playlist,” “recently changed playlist is now listed at the top when adding songs to playlists,” and “[s]ee which songs have been downloaded with the new download indicator next to each song in My Music and Playlists.” See **Exhibits 22 & 23** (Download iOS 9.0 - 9.2.1 Information; and Apple Security Updates).

140. Apple’s iOS and Apple Music software are developed by Apple’s employees performing engineering and research and development in the United States. For example, Apple presently lists numerous vacant positions available for employees to work on iOS and Apple Music in California. See **Exhibits 24-26** (Apple Job Listings). Additionally, numerous Apple employees have posted resumes identifying that they have worked on Apple’s iOS and/or Apple Music products while employed by Apple in California. See **Exhibits 27-29** (Apple Employee Resumes). Upon information and belief, Apple’s employees in the United States are presently developing new versions of, and new functionality for, Apple’s iOS and Apple Music software.

X. RELATED LITIGATION

A. Prior Litigation

141. The Asserted Patent was previously asserted in 2006 in Investigation No. 337-TA-573, entitled *Certain Portable Digital Media Players, Components Thereof, and Products Containing Same*. The investigation involved Apple’s iPod products. The parties settled and the investigation was terminated on October 25, 2006 pursuant to a joint motion to terminate.

142. The Asserted Patent was also previously asserted in a district court action, *Creative Technology Ltd. v. Apple Computer, Inc.*, No. 4-06-cv-03218 (N.D. Cal.), concurrent to Investigation No. 337-TA-573. After the parties settled, the case was dismissed by a stipulation of dismissal filed by Creative Technology Ltd. on August 29, 2006.

B. Current Litigation

143. There is no related litigation involving the Asserted Patent at this time. However, Creative will be filing concurrent district court actions involving the Proposed Respondents.

XI. RELIEF REQUESTED

144. WHEREFORE, by reason of the foregoing, Complainants Creative Technology Ltd. and Creative Labs, Inc. respectfully request that the United States International Trade Commission:

(a) Institute an immediate investigation, pursuant to Section 337 of the Tariff Act of 1930, as amended, 19 U.S.C. § 1337(a)(1)(B)(i) and (b)(1), with respect to violations of Section 337 based on the importation, sale for importation, and sale after importation, into the United States of all Proposed Respondents' portable electronic devices and components thereof manufactured by or on behalf of, or imported by or on behalf of, each of the Proposed Respondents or their affiliates, that infringe one or more of the asserted claims of Creative's United States Patent No. 6,928,433;

(b) Schedule and conduct a hearing on said unlawful acts and, following said hearing;

(c) Issue a permanent limited exclusion order pursuant to 19 U.S.C. § 1337(d)(1) barring from entry into the United States all products made by or on behalf of any of the Proposed Respondents, that infringe one or more asserted claims of Creative's United States Patent No. 6,928,433;

(d) Issue permanent cease and desist orders, under 19 U.S.C. § 1337(f), directing each Proposed Respondent and others acting on their behalf, to cease and desist from importing, marketing, advertising, demonstrating, warehousing inventory for distribution, offering for sale, selling, distributing, licensing, or using portable electronic

devices and components thereof that infringe one or more asserted claims of Creative's United States Patent No. 6,928,433;

(e) Impose a bond upon Proposed Respondents who continue to import infringing articles during the 60-day Presidential review period per 19 U.S.C. § 1337(j); and

(f) Grant such other and further relief as the Commission deems just and proper based on the facts determined by the investigation and the authority of the Commission.

Dated: March 24, 2016

Respectfully submitted,

By: 

Jonathan D. Baker
Michael D. Saunders
Gurtej Singh
FARNEY DANIELS P.C.
411 Boreal Avenue, Suite 350
San Mateo, California 94402
Telephone: (424) 268-5210
Facsimile: (424) 268-5219

*Counsel for Complainants
Creative Technology Ltd. and Creative
Labs, Inc.*

EXHIBIT 1



US006928433B2

(12) **United States Patent**
Goodman et al.

(10) **Patent No.:** **US 6,928,433 B2**
(45) **Date of Patent:** **Aug. 9, 2005**

(54) **AUTOMATIC HIERARCHICAL
CATEGORIZATION OF MUSIC BY
METADATA**

6,248,946 B1 * 6/2001 Dwek 84/609
6,377,530 B1 4/2002 Burrows
2003/0016940 A1 * 1/2003 Robbins 386/46

(75) Inventors: **Ron Goodman**, Santa Cruz, CA (US);
Howard N. Egan, Capitola, CA (US)

(73) Assignee: **Creative Technology LTD**, Singapore
(SG)

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 323 days.

(21) Appl. No.: **09/755,723**

(22) Filed: **Jan. 5, 2001**

(65) **Prior Publication Data**

US 2002/0147728 A1 Oct. 10, 2002

(51) **Int. Cl.**⁷ **G06F 17/30**

(52) **U.S. Cl.** **707/4; 707/3; 707/102;**
386/46

(58) **Field of Search** 84/609, 601, 602,
84/611-614; 707/104.1, 3, 4, 102; 386/46

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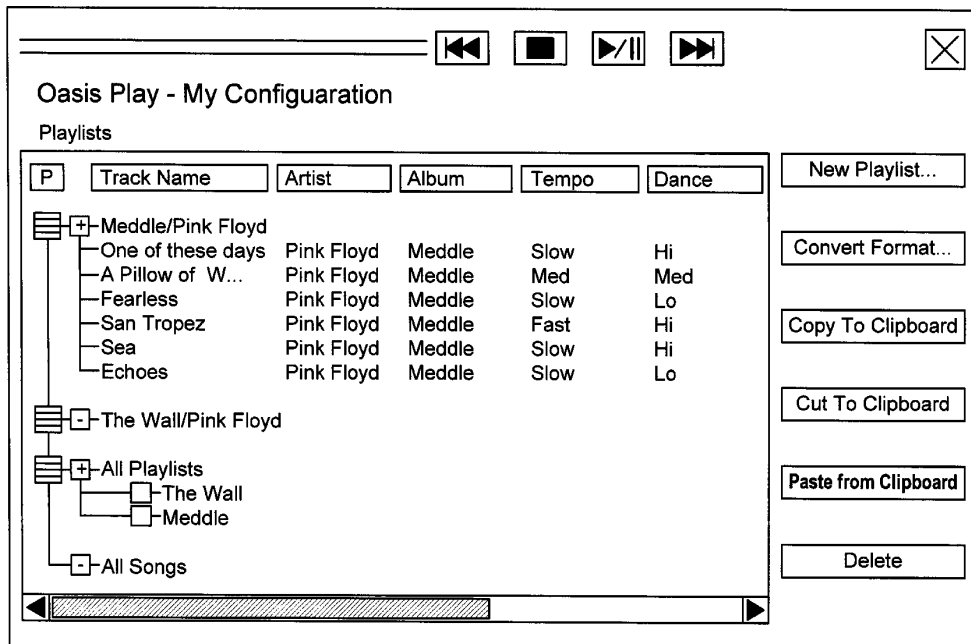
Primary Examiner—Charles Rones

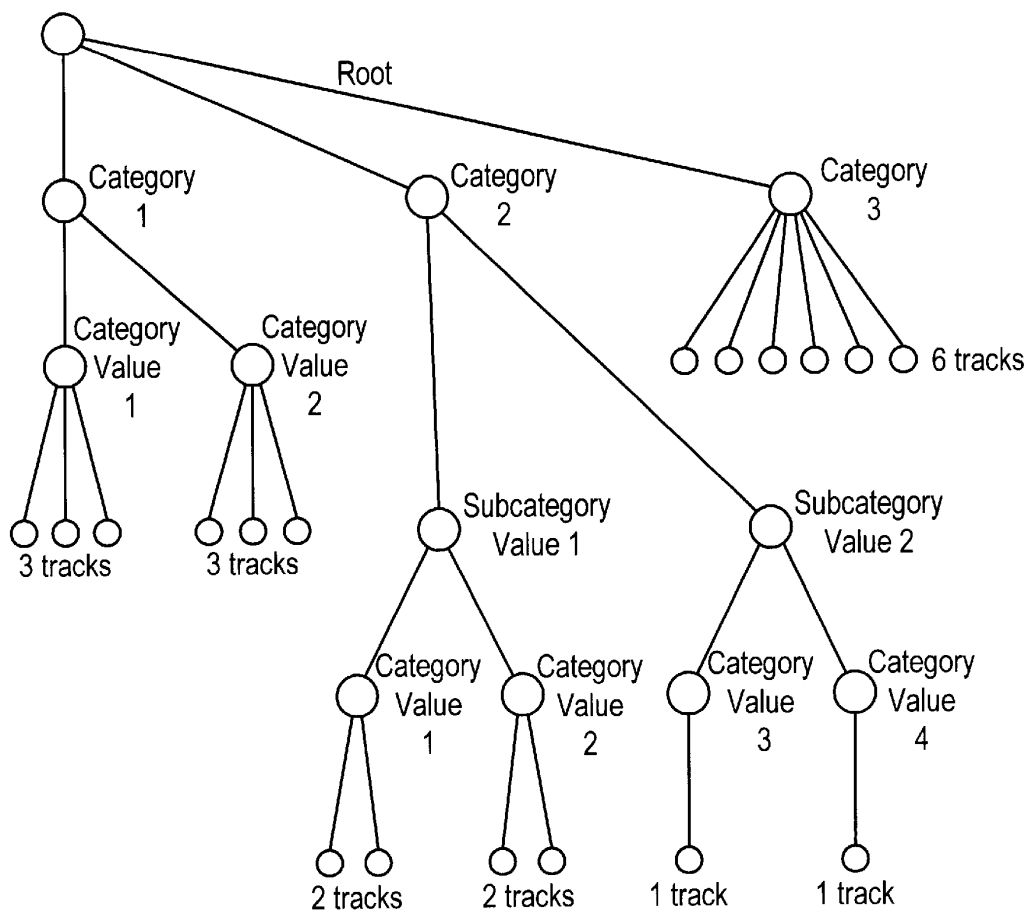
(74) *Attorney, Agent, or Firm*—Russell N. Swerdon;
Creative Technology LTD

(57) **ABSTRACT**

A method, performed by software executing on the proces-
sor of a portable music playback device, that automatically
files tracks according to hierarchical structure of categories
to organize tracks in a logical order. A user interface is
utilized to change the hierarchy, view track names, and
select tracks for playback or other operations.

16 Claims, 12 Drawing Sheets





For example:

Category 1 = Album Name

Category Value 1 = Abbey Road

Category Value 2 = Hits from the 60's

Category 2 = Artist Name

Subcategory Value 1 = British Artists

Subcategory Value 2 = American Artists

Category Value 1 = The Beatles

Category Value 2 = Petula Clark

Category Value 3 = Mamas and the Papas

Category Value 4 = Nick Drake

Category 3 = All tracks

FIG. 1.

V1.0
Albums|0x01|BLBN
Artists|0x01|BCBMBN
All Tracks|0x01|BN

FIG. 2.

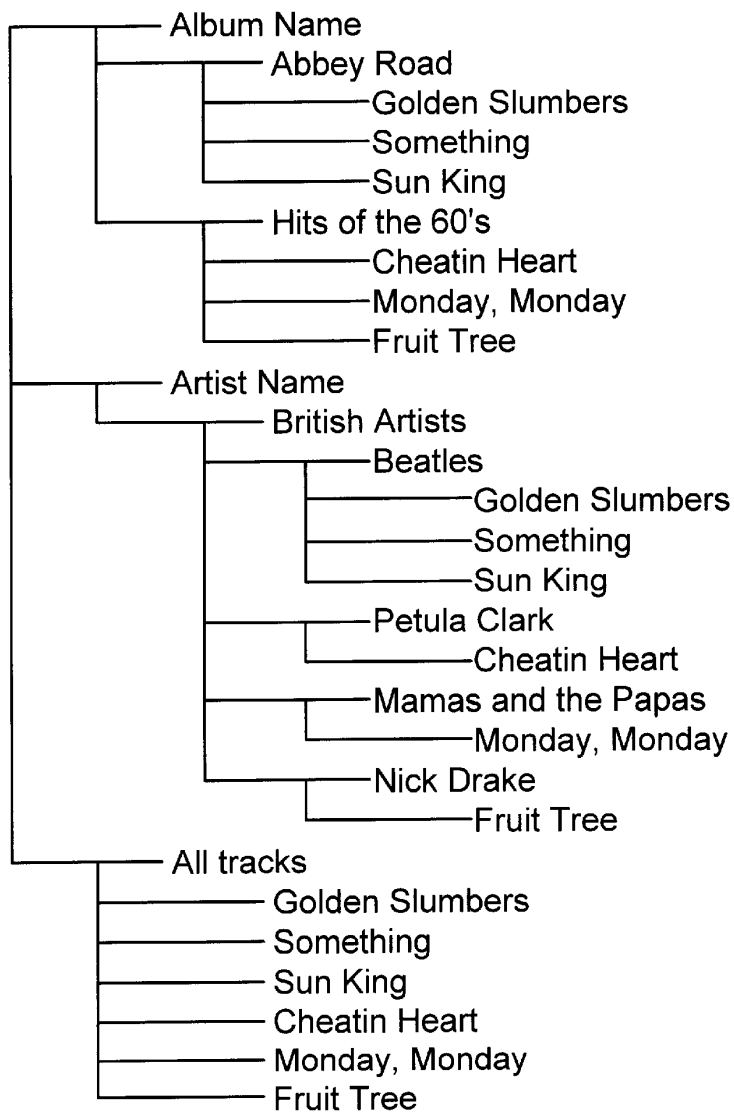


FIG. 3.

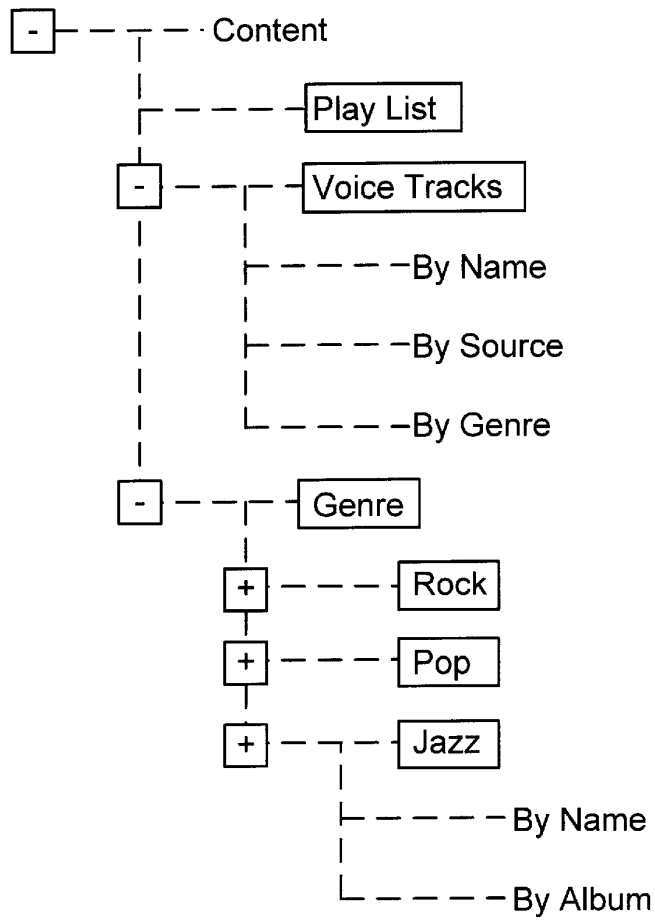


FIG. 4.

| | | | | |
|-----------|-------|------|-------|------|
| file data | album | name | genre | type |
|-----------|-------|------|-------|------|

FIG. 5.

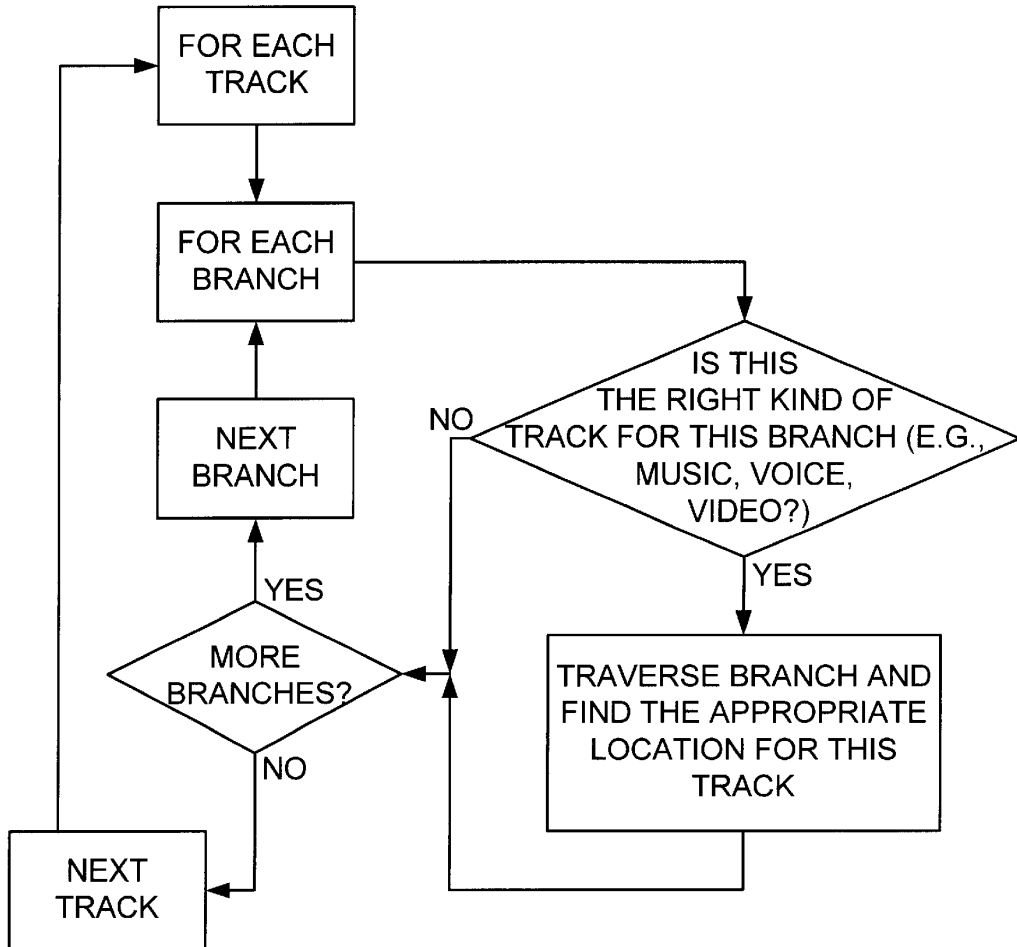


FIG. 6.

| | | | |
|--------|-----------------------------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Albums | Full Moon Fever | Free Falling I Won't Back Down Love Is A Long Road The Boy In The Bubble Graceland | |
| | Hotel California | Hotel California New Kid In Town | |
| | Unknown (Created for items without Album attribute) | Track 1 Stardust | |
| Artist | Tom Petty | Full Moon Fever | Free Falling I Won't Back Down Love Is A Long Road |
| | Eagles | Hotel California | Hotel California New Kid In Town |
| | Paul Simon | Graceland | The Boy In The Bubble Graceland |
| Genre | Rock | Full Moon Fever | Free Falling I Won't Back Down Love Is A Long Road |
| | | Hotel California | Hotel California New Kid In Town |
| | | Graceland | The Boy In The Bubble Graceland |

FIG. 7.

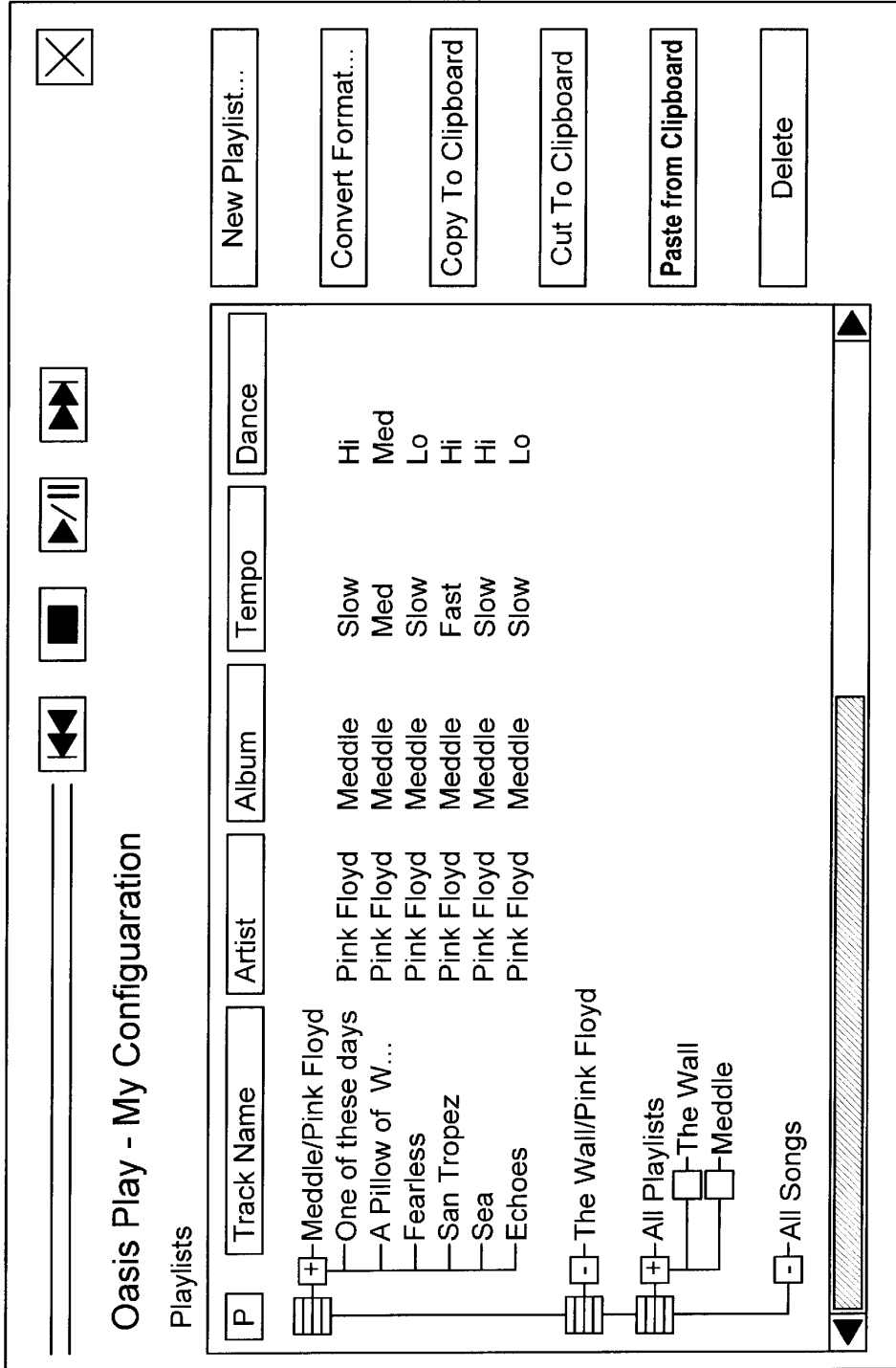


FIG. 8.

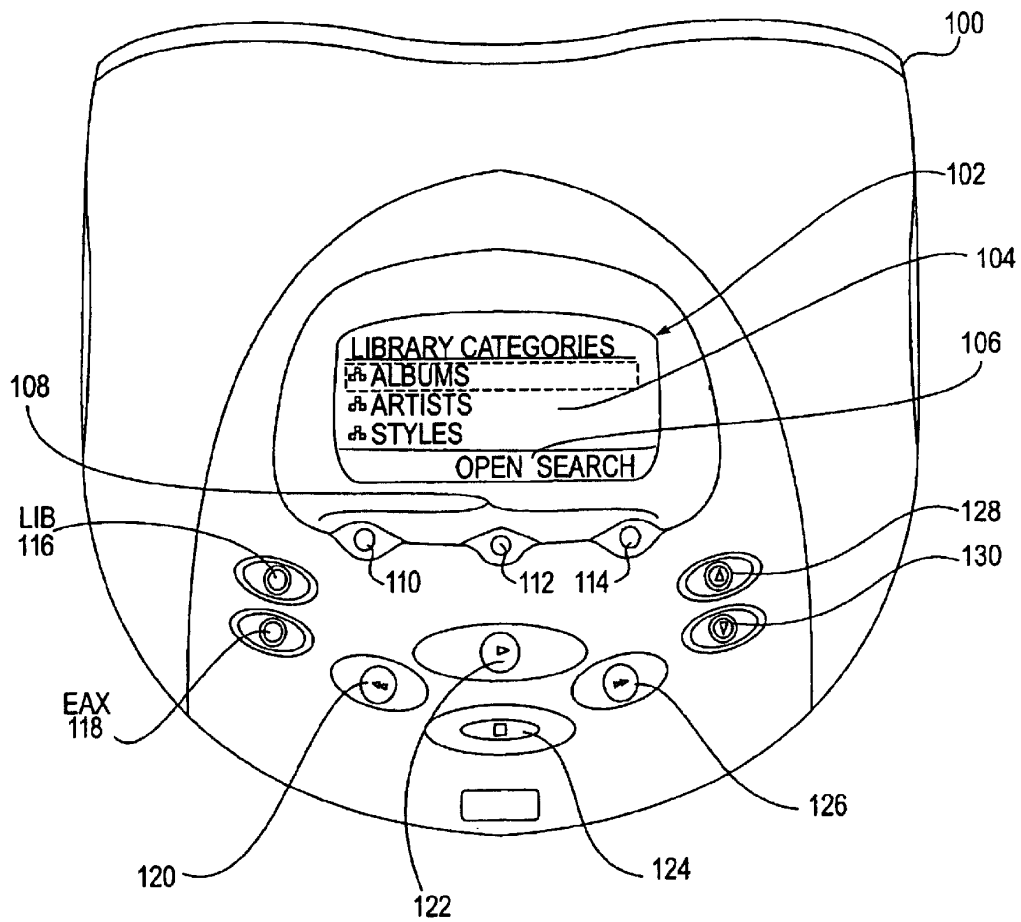


FIG. 9

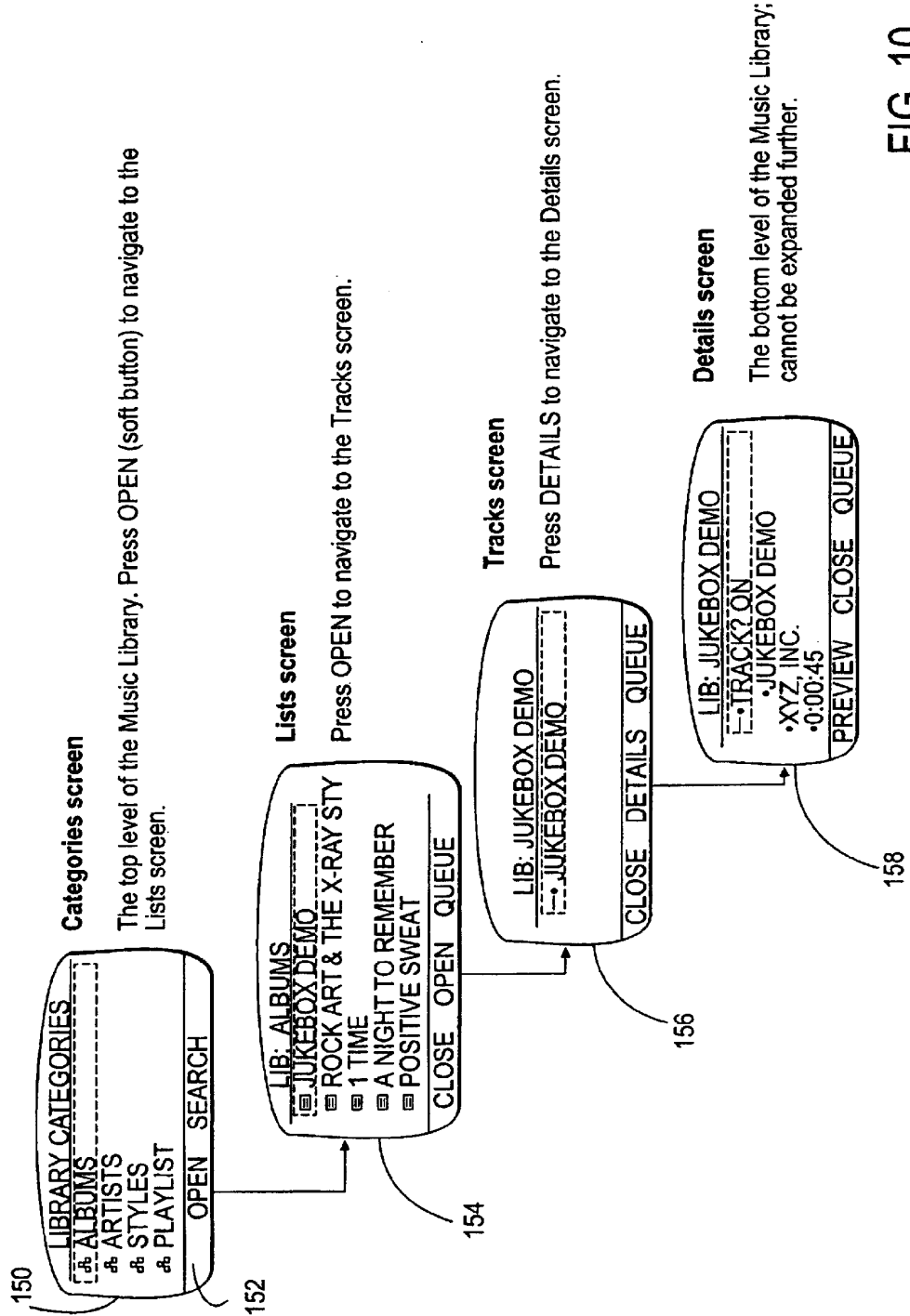


FIG. 10

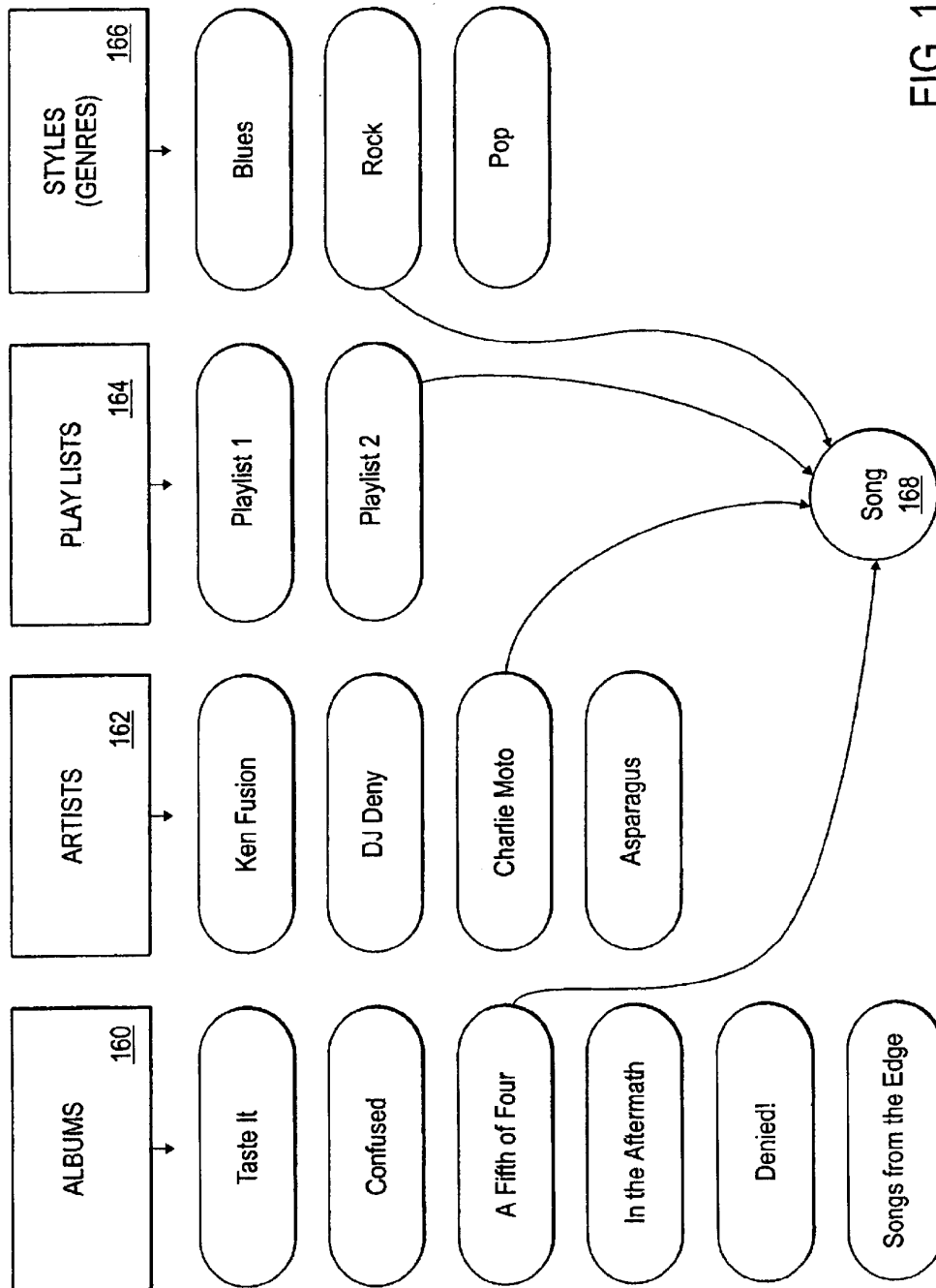
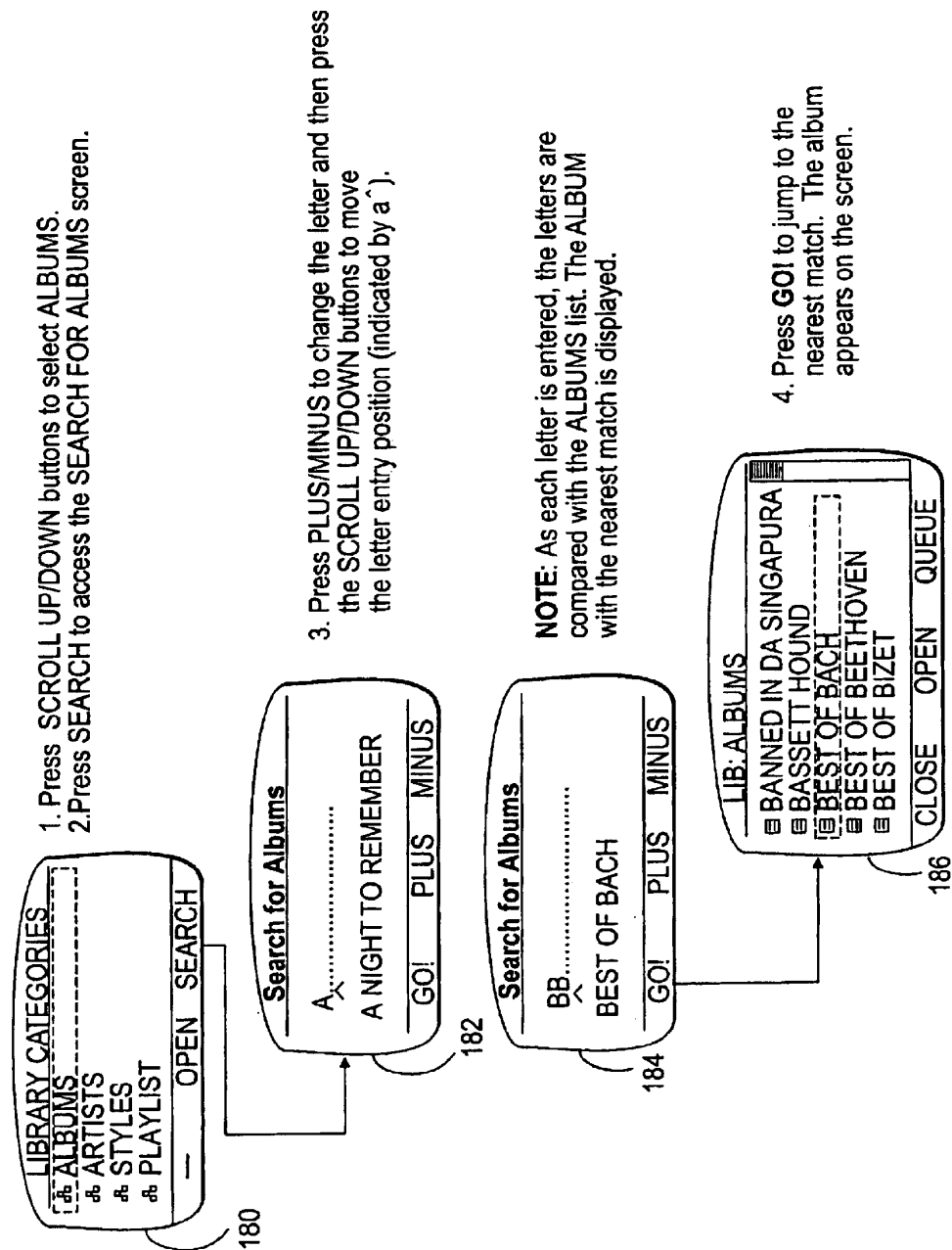


FIG. 11



1. Press SCROLL UP/DOWN buttons to select ALBUMS.
2. Press SEARCH to access the SEARCH FOR ALBUMS screen.

3. Press PLUS/MINUS to change the letter and then press the SCROLL UP/DOWN buttons to move the letter entry position (indicated by a ^).

NOTE: As each letter is entered, the letters are compared with the ALBUMS list. The ALBUM with the nearest match is displayed.

4. Press GO! to jump to the nearest match. The album appears on the screen.

FIG. 12

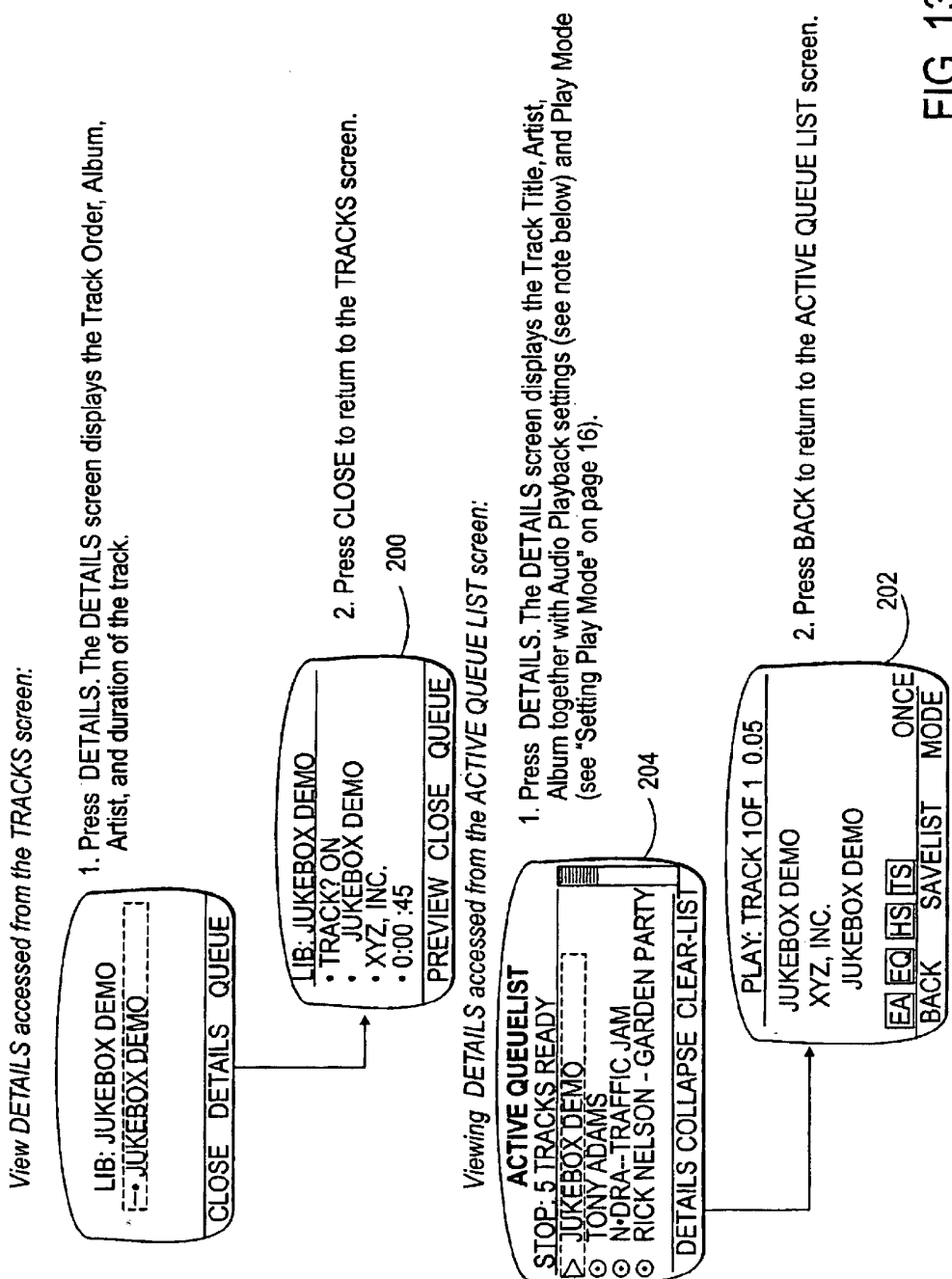


FIG. 13

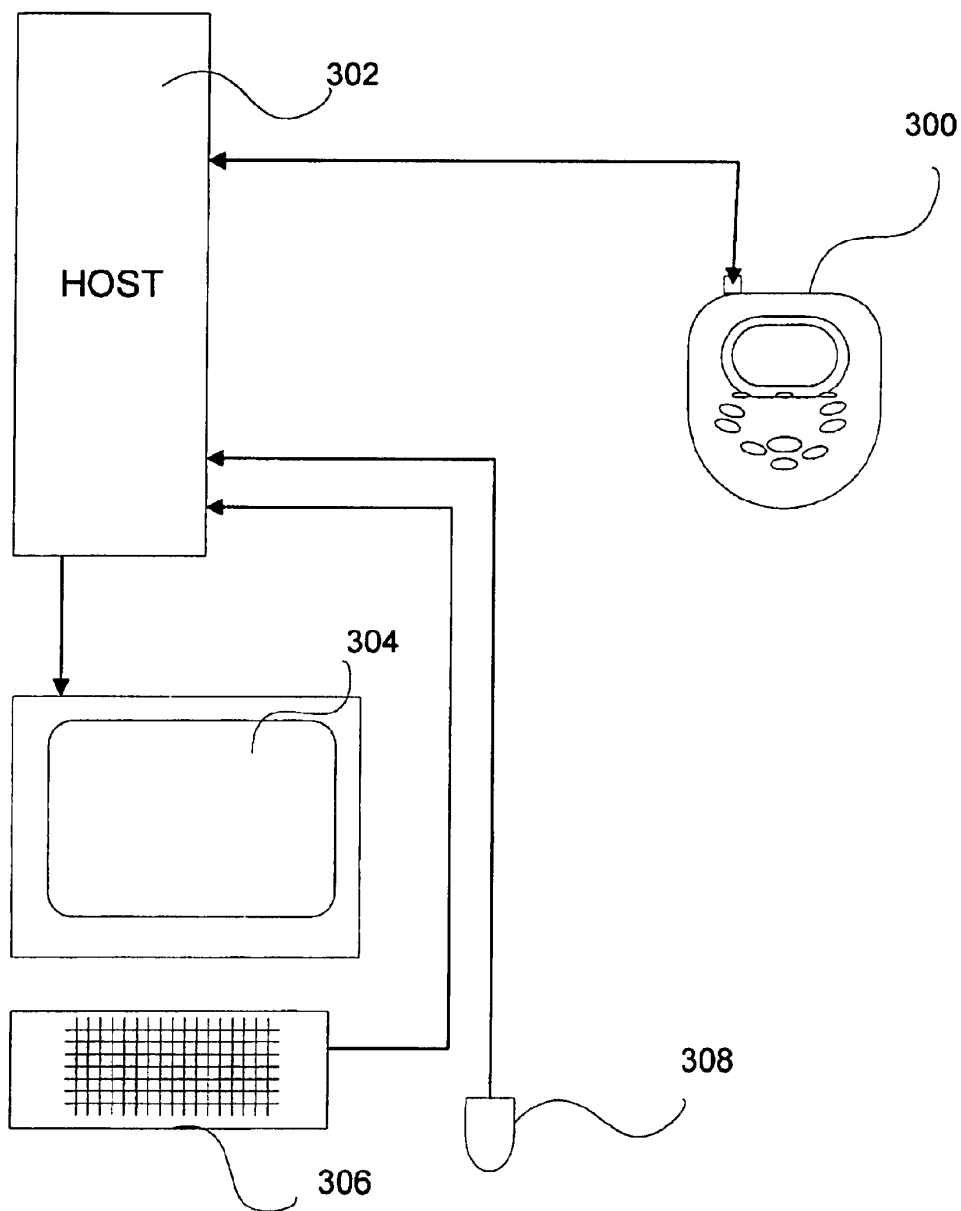


FIG. 14

1

**AUTOMATIC HIERARCHICAL
CATEGORIZATION OF MUSIC BY
METADATA**

**CROSS-REFERENCES TO RELATED
APPLICATIONS**

This application is related to Application Ser. No. 09/755,629, entitled "System for Selecting and Playing Songs in a Playback Device with a Limited User Interface," now abandoned and Application Ser. No. 09/755,367, entitled "Audioplayback Device with Power Savings Storage Access Mode," issued as U.S. Pat. No. 6,590,730, all filed Jan. 5, 2001, the disclosures of which are incorporated herein by reference.

BACKGROUND OF THE INVENTION

Today, portable consumer electronic devices are more powerful than ever. For example, small, portable music playback devices can store hundreds, even thousands, of compressed songs and can play back the songs at high quality. With the capacity for so many songs, a playback device can store many songs from different albums, artists, styles of music, etc.

Music jukeboxes implemented in software executed by a digital computer and portable MP3 and CD players both provide facilities for forming playlists. For example, the OOZIC player, distributed by the assignee of the present application, runs on a host PC and has a playlist feature that allows selection of tracks from the PC's hard disk to be included in the playlist.

As storage capacity increases and songs are compressed to shorter file lengths the number of songs that can be stored increases rapidly. Major problems facing the consumer are organizing and accessing the tracks.

Typically, portable devices have a user interface including a small screen and buttons. Such a display screen might be, e.g., 1"x2". This small display size is necessary because of the physical size of the device which is typically carried in the hand. The small size also limits the number, size, shape, and types of user input controls that can be mounted on the device. For example, a few pushbuttons are usually provided to perform all of the device's control functions. Using such a compact user interface to navigate and select among hundreds of songs is inefficient and often frustrating. The display screen can only show a few song titles at one time, and the limited controls make it difficult for a user to arbitrarily select, or move among, the songs.

The creation of playlists is one technique to organize the playing of songs. A set of songs can be included in a playlist which is given a name and stored. When the playlist is accessed, the set of songs can be played utilizing various formats such as sequential play or shuffle.

However, the creation of playlists itself becomes problematic as the number of songs increases, since the user often arbitrarily selects songs from a large number of tracks to form a playlist. This selection mechanism: can be fairly tedious; does not necessarily produce playlists that are of interest to the user over the course of time; may not remain up-to-date if new songs are added that logically fit into a previously created playlist (e.g. "Favorites by Band X" might become out of date if a new favorite by Band X is added after the playlist was created); and leads to "lost" songs that are not members of any playlist.

Accordingly, improved techniques for organizing and grouping tracks useful in a portable music player are needed.

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Further, it is desirable to provide a user interface suitable for a small device. The user interface should allow a user to efficiently navigate among, and select from, many items stored in the device.

SUMMARY OF THE INVENTION

The present invention provides an efficient user interface for a small portable music player. The invention is suitable for use with a limited display area and small number of controls to allow a user to efficiently and intuitively navigate among, and select, songs to be played. By using the invention, very large numbers of songs can be easily accessed and played.

One aspect of the invention includes an overlapping hierarchy of categories. Categories include items that can also be included in other categories so that the categories "overlap" with each other. Thus, a song title can be accessed in multiple different ways by starting with different categories. For example, a preferred embodiment of the invention uses the top-level categories "Albums", "Artists", "Genres" (or styles), and "Play Lists". Within the Albums category are names of different albums of songs stored in the device. Within each album are the album tracks, or songs, associated with that album. Similarly, the Artists category includes names of artists which are, in turn, associated with their albums and songs. The Genre category includes types of categories of music such as "Rock", "Hip Hop", "Rap", "Easy Listening", etc. Within these sub-categories are found associated songs. Finally, the "Play Lists" category includes collections of albums and/or songs which are typically defined by the user.

Advantageous use is made of the overlapping hierarchy to allow the user to quickly designate a song for playback. The device uses three "soft" pushbuttons that have assignable functions. The interface maintains consistent button functionality whenever possible and uses uniform command names and operations in different types of items so that the interface is more intuitive. For example, the user can open and queue both albums and songs with predictable results.

The interface also provides for multiple functions for a single control. For example, a "Play" button can act, in a first function, to play a currently-selected song. The Play button can act, in a second function, to cycle through different playback modes. The modes can be, e.g., (1) playback of songs from a hard disk; (2) playback of music from a radio receiver built into the device; and (3) playback of voice messages. The first function for the Play button can be activated by momentarily depressing the Play button for a short period of time. The second function is invoked by depressing the Play button for a longer period of time whereupon the device cycles through the different modes. Other ways of invoking the functions are possible such as where the second function is automatically entered from a powered-down state.

In one embodiment, the invention provides a method for selecting songs to be played in an electronic audio device, wherein the device includes a display and one or more user input controls, wherein songs are organized into categories, albums, wherein songs and albums are associated with artist names. The method includes steps of displaying categories on the display; accepting signals from a user input control to select a category; displaying one or more songs in the selected category on the display; accepting signals from a user input control to select a displayed song; and entering selected songs into a playlist queue, wherein the device plays back songs in the playlist queue.

According to one aspect of the present invention, a technique is provided for organizing tracks on a portable music player by automatically filing tracks in a hierarchical order based on attributes of the tracks.

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According to another aspect of the invention, metadata is associated with each track that is used to automatically define the track's appropriate place in the hierarchy.

According to another aspect of the invention, the hierarchy is displayed on the portable music player so that a user can traverse the organizational hierarchy to find individual tracks or find playlists composed of logical groups of tracks.

According to another aspect of the invention, the hierarchy is derived by using metadata associated with the audio content that was obtained through any source of metadata (e.g. CDDDB metadata, id3v2 metadata, other obtainable metadata) and subsequently stored with or alongside the file that stores the track.

According to another aspect of the invention, a file is formatted so that an unaltered track is stored as file data and information about the track is stored in file attribute files.

Other features and advantages of the invention will be apparent in view of the following detailed description and appended drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a schematic diagram of a tree structure for hierarchical filing of tracks;

FIG. 2 is a definition file that specifies the hierarchy depicted in FIG. 1;

FIG. 3 is a user's view of the hierarchy;

FIG. 4 is a schematic diagram of a user interface displaying the hierarchical category structure;

FIG. 5 is a diagram of a file format for storing filed data and file attributes;

FIG. 6 is a flow chart depicting steps for filing tracks according to the hierarchical tree structure;

FIG. 7 depicts a tree resulting from searching the tracks; and

FIG. 8 depicts a format for a user interface;

FIG. 9 illustrates the NOMAD Jukebox and its user interface controls;

FIG. 10 illustrates a sequence of display screens describing how to navigate to lower levels;

FIG. 11 illustrates associations among items;

FIG. 12 shows display screens used to search for a song or other item;

FIG. 13 illustrates details of different items; and

FIG. 14 illustrates a playback device coupled to a host computer system.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

A preferred embodiment of the invention will now be described in the context of a portable personal player that plays audio files stored in memory. The files may be in MP3, wav, or other digital formats.

In the presently described embodiment, users are able to see the tracks on their player in some organized fashion other than as a single list of tracks. As will be described in more detail below, in one embodiment tracks are sorted utilizing a tree structure having branches labeled according to types of metadata associated with the tracks

For example, a track recorded as "Golden Slumbers" by the Beatles that appears on their album "Hey Jude" might appear as a track under the album "Abbey Road" as well as a track under the list of tracks by the Beatles. It might appear as a track under the genre "Pop Rock" as well as "Songs

4

from the 60's." Furthermore, the organization can have more complex hierarchies. For example, the category of "Pop Rock" might contain subcategories "British Musicians," "American Musicians" and "Other Musicians". In all cases, the track is automatically filed into all appropriate locations without requiring user interaction.

In the currently defined embodiment, a tree structure is defined by a file having the following structure.

The first line of a TreeDef.inf file contains a version number:

V1.0

Each subsequent line (at least in v1.0) contains lines of the following format:

CATEGORY_NAME|TRACK_TYPE
MASK|CATEGORY_STRUCTURE

CATEGORY_NAMES are the top-level names of the branch under which tracks are sorted. They include things like "Album," "Artist," "Voice Tracks," "All Tracks," etc.

TRACK_TYPE_MASKS tell which types of tracks are to be filed under this particular branch. The actual value is a hexadecimal numerical value (in '0X' format, e.g. 0X01) generated by ORing the following flags together as appropriate:

```
enum tTrackType
{
    kTTNothing=0x00,
    kTTSong=0x01,
    kTTVoice=0x02,
    kTTBook=0x04,
    kTTMacro=0x08,
    kTTPlaylist=0x10
};
```

So, for example, the "Album" branch has a TRACK_TYPE_MASK of kTTSong, because only songs are filed under that branch, but the "All Tracks" branch has a TRACK_TYPE_MASK of (kTTSong|kTTVoice|kTTBook).

Other elements might be added to tTrackType (e.g. kTTVideo) as appropriate.

CATEGORY_STRUCTURES tell how to file the songs based on their metadata information. The CATEGORY_STRUCTURE is a string of characters that tell, from left to right, the order of hierarchy. The characters come from the following enum constants:

```
enum tFileTag
{
    kFTNone='@',
    kFTTrackType='T',
    kFTTitle='N',
    kFTAUDIOFile='F',
    kFTArtist='M',
    kFTAlbum='L',
    kFTGenre='G',
    kFTSource='S',
    kFTYear='Y',
    kFTArtistCountry='C'
};
```

Thus, a CATEGORY_STRUCTURE of LN tells to create a subcategory that is a list of Albums, each of which contains a list of Tracks.

In total, a line like:

Album|0x01|LBN

Says to create a branch called "Album" which contains tracks of type kTTSong organized first by album name, and then by track name.

The following is an example of a tree definition file similar (though not identical) to the hierarchy presented in the Nomad Jukebox product (the 'B' before each FileTag was used to identify that these are basic tags so that we wouldn't run out of letters in the alphabet as we included more complex metadata—thus each group of two letters represents a level in the hierarchy):

```
V1.0
Album|0x01|BLBN
Artist|0x01|BMBN
Genre|0x01|BGBN
Voice Tracks|0x02|BSBGBN
Playlists|0x10|BN
Macros|0x08|BN
All Tracks|0x07|BN
```

FIG. 1 depicts a hypothetical organization hierarchy. The tree shows how tracks might be listed (as leaves in the tree) after having been organized. Example values for nodes in the tree are shown as well. The same track may appear more than once as a leaf in the tree, as described above, if it fits into multiple categories (e.g. a song that appears on the Abbey Road branch would also appear in the Beatles branch). In the example shown, the first branch contains tracks organized by album. As shown in the example, this music collection contains three tracks from "Abbey Road" and three tracks from "Hits from the 60's". The second branch contains tracks organized by artist, and sub organized by where the artist is from. Thus, a user browsing would first select the "Artists" branch and then choose between "British Artists" and "American Artists". Finally, they would select the particular artist. In the third branch, all tracks are shown.

The tree definition file that would specify the hierarchy shown in FIG. 1 is shown in FIG. 2.

The first line identifies the version of the tree definition file.

The second line defines the "Albums" branch. The first part of the line, "Albums" defines the name of the branch. The second part, "0x01," defines that all musical tracks should be categorized on this branch. The third part, "BLBN," defines that the branch lists first the names of all albums (BL) and then tracks on those albums (BN).

The third line defines the "Artists" branch. The first part of the line "Artists" defines the name of the branch. The second part, "0x01," defines that all musical tracks should be categorized on this branch. The third part, "BCBMBN," defines that the branch lists first the names of all countries where artists in this collection come from (BC) and under those items, the artists' names (BM), and then tracks by those artists (BN).

FIG. 3 shows what a user's view of this hierarchy might be if he/she were shown a fully expanded view of the 6-song tree. Notice that each song appears three times, once in each branch.

In consumer products the tree define file is not edited directly but through a user interface, one example of which is depicted in FIG. 4. An example of a user interface for viewing songs by category and editing the tree structure is depicted in FIG. 4.

An embodiment of the invention is utilized in the Nomad® Jukebox, manufactured by the assignee of the

present invention, and described more fully in the copending application, filed on the same date as the present application, entitled "System for Selecting and Playing Songs in a Playback Device with a Limited User Interface," (Attny. Docket No. 17002-020800).

In a preferred embodiment, metadata is associated with each track and includes such information as title, genre, artist name, type, etc. In the preferred embodiment, software stored in a portable player and executed by the onboard processor automatically files each track in the correct category utilizing the associated metadata and the tree define file. The program code can be stored in any computer readable medium including magnetic storage, CD ROM, optical media, or digital data encoded on an electromagnetic signal.

Thus, the user is automatically provided with a powerful and flexible tool for organizing and categorizing the tracks stored on the portable player.

If the tracks are formatted in MP3 format the metadata can be stored in ID3 tags included in the MP3 file. In one embodiment of the invention, the tracks are stored in alternate file format including file data and file attributes. The file data is the music track itself and the file attributes part of the file includes fields of arbitrary size which are used to store metadata characterizing the track stored as the file data. Again this metadata includes information about the track such as title, genre, artist name, type, etc.

There are several advantages to using the alternate file format. Metadata of types not easily included in an ID3 tag can be utilized. Further, the original track format is not changed, so that error correction data such as checksums are valid. Finally, any file format can be used (e.g. WAV, WMA, etc.) because the metadata is stored separately, and thus audio formats that have limited support for metadata can still be stored on the portable player in native format without transcoding. The formatted files are formed by software stored in the portable music player and executed by an on-board processor.

The metadata for each track is utilized to file each track, using the categories defined in the hierarchical structure as described above, without any input from the user.

FIG. 5 is a schematic diagram of the alternative file format including file data in the form of an MP3 track, and metadata fields for holding data indicating the name of the album the track is from, the name of the song, the genre of the song, and the type of track.

A particular embodiment of a file format will now be described. All tracks are created with some set of attributes as shown below:

| Definition of TrackInfo Data Field | | | |
|------------------------------------|--------|------|----------------------------------------------|
| Field | Offset | Size | Description |
| Attribute Count | 0 | 2 | The number of attribute follow for the track |
| Attr 1 type | 2 | 2 | Binary = 0, ASCII = 1 |
| Attr 1 name len | 4 | 2 | Length of attribute name string |
| Attr1 data len | 6 | 4 | Length of attribute data |
| Attr1 Name | 10 | N | Attribute name string |
| Attr 1 Data | 10 + N | M | Attribute data |
| ... | | | |
| Attr N type | | | |
| Attr 1 name len | | | |
| Attr1 data len | | | |
| Attr1 Name | | | |
| Attr 1 Data | | | |

-continued

| Required Attributes | | |
|---------------------|--------------------------|-------------------|
| Attribute Name | Value(s) | Remarks |
| TITLE | ASCII string | RequiredByJukebox |
| CODEC | "MP3", "WMA", "WAV" | RequiredByJukebox |
| TRACK ID | DWORD | Set By Jukebox |
| ALBUM | ASCII string | Optional |
| ARTIST | ASCII string | Optional |
| GENRE | ASCII string | Optional |
| LENGTH | In seconds | Optional |
| TRACK SIZE | In bytes | Optional |
| TRACK NUM | 1-n (track within album) | Optional |

These attributes can be subsequently changeable via a host application, running on a personal computer connected to the portable music player.

FIG. 6 shows a flow chart of an embodiment the process used to build the hierarchical database of tracks. It starts by iterating through each track, and, for each track, iterating through each branch to find if the track belongs on the branch, and, if so, where. In this case, the term track could refer to any content, e.g. a music track, a spoken word track, or even a video track.

Also, the hierarchical catalog of tracks can be used to form playlists in a structured manner. For example, if a user wants to hear Jazz and Blues the entire sub-categories can be selected to form one playlist.

An alternative hierarchical catalog generation technique will now be described. In this alternative embodiment, at system startup and as tracks are added or changed, the hierarchy is generated as an in-memory tree structure. Each track is added to the tree using the categories ALBUM, ARTIST and GENRE.

The following example shows the algorithm for adding a track. For clarity, only the attributes used by the tree are shown.

| | |
|-----------|-------------------|
| TITLE | "Free Falling" |
| ALBUM | "Full Moon Fever" |
| ARTIST | "Tom Petty" |
| GENRE | "Rock" |
| TRACK NUM | 1 |

The following function is executed to build the in-memory memory tree.

```

Build Tree( )
For each track,
    Add Track To Category(Album, Track)
    Add Track To Category(Artist, Track)
    Add Track To Category(Genre,Track)
End of Build Tree
    
```

FIG. 7 depicts a tree which could result from implementing Build Tree() function. Note that "Stardust" does not have any entries for Album or Artist. The host software running on a computer connected to the portable music player could be utilized to add missing attributes to the "Stardust" track and, optionally, edit the title attribute. The Build Tree() function would then reinsert this track in the correct location in the tree.

FIG. 8 is an embodiment of a user interface according to another embodiment of the invention. In this example the root node is labeled "My Configuration" and the Playlist

category has been selected and the Playlist subcategory "Meddle" has been selected. Note that the types of Metadata, in this example, Track Name, Artist, Album, Tempo and Dance, are listed across the top of the screen, and the attribute values for each track are listed in a row across the screen. Various control buttons are displayed to the right of configuration window that facilitate quickly invoking selected processing on a selected track.

As noted above, a preferred embodiment of the present invention is incorporated into a product manufactured and distributed by Creative Technology, Ltd. The product is called the "NOMAD Jukebox." The following description describes further details of the display screens and interface controls.

FIG. 9 illustrates the NOMAD Jukebox and its user interface controls.

In FIG. 9, electronic audio device 100 measures about 5.5" wide by 5.5" tall by 1" thick. Display screen 102 is about 2" wide by 1" tall. Display screen 102 includes different regions such as main region 104 and soft button function description region 106.

Three soft buttons are located at 108; including buttons 110, 112 and 114. The specific command, or function, that any of the soft buttons perform when depressed is indicated by the label in soft button function description region 106. Thus, the function of soft button 112 (as shown in FIG. 9) is "open," the function of soft button 114 is "search" while soft button 110 is currently not assigned a function.

The other eight buttons on device 100 perform essentially the same functions at all times. In other words, they are not subject to function changes according to soft button function description area 106. These button include Library button 116, EAX and System button 118, Skip Backward button 120, Play button 122. Stop button 124, Skip Forward Button 126, Scroll Up button 128 and Scroll Down button 130. However, as discussed below, these buttons (or any type of controls used with the device) can include alternate functionality that is invoked in different ways.

The device uses visual cues, or indicators, in the display. When an item is highlighted it indicates that the item is the "current" item, or currently-selected item, which is susceptible to be operated on by a subsequent user action—such as playback, or expansion of the item. In FIG. 1, screen 102 shows that the item, "ALBUMS," is highlighted. The highlighted item can be acted upon by using the soft buttons, or another button, as described below. The current item can be changed by using Scroll Up button 128 and Scroll Down button 130 to move the highlight up or down, respectively, throughout a list of displayed items.

Icons are used to provide additional visual cues for an item. In FIG. 1, each of the categories has a category icon to the left of it. The category icon, which may not be distinctly visible in the Figure, illustrates a first box connected by lines to additional boxes below the first box. The icon depicts a hierarchy and illustrates the property of categories, i.e., that categories can contain additional categories, songs or other items.

FIG. 10 illustrates a sequence of display screens describing how to navigate to lower levels.

In FIG. 10, library category screen 150 shows the display as it appears when the user depresses library button 116 of FIG. 9. A preferred embodiment of the device uses 4 first-level categories. These are "Albums", "Artists," "Styles" and "Play Lists". Each of these categories can "contain," or be associated with, other categories, songs, or items.

Note that in library category screen 150 ALBUMS is currently highlighted. By depressing soft button 112 of FIG.

9, the “open” command is performed on the highlighted category, as indicated by the labeling of soft button 112 and soft button function description area 152 of FIG. 10.

Lists screen 154 is displayed as a result of a user opening Album category of library category screen 150. Lists screen 154 shows items within the Albums category such as commercial albums of multiple songs from a record label, pre-made lists or collections created by a user, or other predefined lists or collections of songs or recordings.

In FIG. 10, lists screen 154 shows each item as a list of songs. This is shown visually by the icon to the left of each item which depicts a miniature list. Possible soft button commands are “Close”, “Open” and “Queue”. These commands correspond to soft button 110, 112 and 114, respectively. If the user selects the Close command, the display reverts to library category screen 150. If the user selects the Open command, the display shows tracks screen 156. Alternatively, the user can select the Queue command to instruct the device to place all the songs from the selected (i.e., highlighted) list into the play list for eventual playback. Yet another option allows the user to press play button 122 of FIG. 9 to cause any currently-selected songs or a list of songs (e.g., an album) to immediately be played.

Returning to FIG. 10, tracks screen 156 shows that a single song called “JukeBox Demo” is in the list. The list is also called JukeBox Demo as shown in lists screen 154. Tracks screen 156 shows possible soft commands assigned to buttons, namely “Close”, “Details” and “Queue.” The Close button performs the same function as before—it returns the user to the previous screen which, in this case, is lists screen 154. The user can also select the Details command to cause details of the song JukeBox Demo to be displayed in details screen 158 as shown in FIG. 10. The user can select the Queue command by soft button 114 to enter the selected song into the play list queue. As before, the user can also depress play button 122 of FIG. 9 to cause immediate playback of the selected song.

Details screen 158 shows information about the selected song including the name of the song, album (or list) name containing the song; the track number, if applicable, and track duration. Note that other information can be included. The user can preview the song, close the Details screen to return to the Tracks screen or queue the song on the play list queue.

The device provides the ability to “preview” audio files even while a current song, or playlist, is being played. When a user chooses to preview an audio file, the audio file is played for about 10 seconds while any currently-played file or playlist is suspended. After previewing is complete, the suspended file or playlist resumes playback. In other embodiment, the preview duration can vary, or be stopped by user selection.

FIG. 11 illustrates associations among items.

In FIG. 11, song 168 is one of many songs stored in the device. Categories such as albums 160, artists 162, play lists 164 and genres 166 each include sub-categories. For example, albums 160 includes the names of various albums. Songs are associated with albums, genres and playlists. Such association can be by using pointers, a data structure including items to be associated, etc. “Association” as used herein, includes a first item associated with a second item; and the second item associated with the first item. In other words, albums can be associated with one or more songs in the database of the device so that an automated search to find all songs associated with an album is easier. The direction of arrow pointers in FIG. 11 is not intended to limit the manner of associations among items in the present invention.

Similar to albums, the category of artists 162 includes names of artists, or performers, of songs. Each artist name is associated with one or more songs in the database. Playlists 164 includes names of playlists. These are collections of songs that can be defined by the user, the device manufacturer, or others. Each playlist can be associated with one or more songs. Genres 166 includes various styles of music which are associated with one or more songs. Genres 166 includes various styles of music which are associated with one or more songs in the database. Note that items can exist without being associated with a song. Also, items can be associated with other items as where an artist name is associated with the albums containing the songs that the artist has created.

Although not shown in FIG. 11, items can have additional information, such as properties, details, etc., associated with the item. For example, a song can have information such a play time, artist name, artist album, copyright owner, etc., associated with the song.

FIG. 12 illustrates display screens used to search for a song or other item.

In FIG. 12, screen 180 is the initial library screen, as discussed above. If the user invokes the Search command (via the appropriate soft button) with Albums selected then screen 182 is displayed. Note that the search function can be applied to any of the categories. The user can depress the Plus or Minus soft buttons to cycle through the alphabet and change the character in the current location as indicated by the cursor. The cursor position is changed by using the scroll up/scroll down buttons 128 and 130, respectively, of FIG. 9. As each letter is entered the letters are compared and the nearest match of the stored albums’ names is displayed as shown in screen 184. When the desired match is displayed the user selects the Go! command. Screen 186 shows the result of selecting the Go! command. A list of albums is displayed with the matched album centered and selected. The user can close, open or queue the album as discussed above.

FIG. 13 illustrates details of different items.

In FIG. 13, screen 200 illustrates details displayed as a result of selecting the “Details” command from soft button 1A track is selected. Screen 200 shows that details of the track “JukeBox Demo” shows the name of the album that the track resides on, the creator, or copyright owner, of the track, and the playing time of the track.

Screen 202 illustrates details of an item on the active queue list. Items are placed onto the active queue list by selecting the “Queue” command when an album, song, track, or other item is selected, as discussed above. For example, screen 204 shows the active queue list where the track “JukeBox Demo” is selected. By invoking the “Details” command screen 202 is brought up to show details of the Jukebox Demo track.

As shown in screen 202, the Detail screen shows what track number the selected track is, which album the track is from; the creator, or copyright owner, of the track, and the title of the track. Additionally, the details for an item on the queue list also show playback settings. These are shown by two-letter abbreviations at the bottom of the screen. The settings are as shown in Table I, below.

TABLE I

| | |
|----|--------------------------|
| EA | Environmental Preset |
| EQ | Parametric EQ |
| HS | Headphone Spatialization |
| TS | Time Scaling |

TABLE I-continued

| | |
|----|----------------------------------------------------------------|
| 4S | Four Channel Speaker Sound (only if speakers are connected) |
|----|----------------------------------------------------------------|

These settings have their common meanings, as is known in the art. Note that the setting 4S is not shown in screen 202 as it is not currently active.

FIG. 14 illustrates the Nomad Jukebox coupled to a host computer system.

In FIG. 14, device 300 (e.g., the Nomad Jukebox) is coupled to host system 302. In a preferred embodiment host system 302 is a personal computer, such as an IBM-PC compatible computer. Host system 302 includes a user interface having display 304 and user input devices such as keyboard 306 and mouse 308. In other embodiments the host system need not be a full computer system. Any type of processing system having a user interface is possible. For example, it is possible to couple the device to a laptop computer, game console, web-enabled television, or any consumer electronic device or digital platform, in general. The host user interface need not provide a display and can be much more minimal than the keyboard and mouse shown in FIG. 14. A preferred embodiment of the invention uses a Universal Synchronous Bus (USB) connection but any type of connection such as IEEE 1394 (FireWire), Ethernet, Serial Port, etc. can be used. A wireless (i.e., optical or radio frequency) connection can be used.

Once device 300 is coupled to host system 302, a user of host system 302 can launch a bridge interface to allow for the transfer of files between device 300 and host system 302. In a preferred embodiment, once the bridge interface is launched, the controls of device 300 are inoperable. The user interface of host system 302 is used to operate the bridge interface to transfer files.

The invention has now been described with reference to the preferred embodiments. Alternatives and substitutions will now be apparent to persons of skill in the art.

What is claimed is:

1. A method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy, the method comprising:

- selecting a category in the first display screen of the portable media player;
- displaying the subcategories belonging to the selected category in a listing presented in the second display screen;
- selecting a subcategory in the second display screen;
- displaying the items belonging to the selected subcategory in a listing presented in the third display screen; and
- accessing at least one track based on a selection made in one of the display screens.

2. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected subcategory.

3. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.

4. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting

an item in the third display screen and playing at least one track associated with the selected item.

5. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.

6. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises one of playing or adding to a playlist at least one track associated with a selected one of the category, subcategory, and item.

7. The method of selecting a track as recited in claim 1 wherein the accessing at least one track is made after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.

8. The method of selecting a track as recited in claim 1 further comprising selecting one of the items displayed in the third display screen and presenting a listing of items associated with the selected item in a fourth sequentially presented display screen.

9. The method of selecting a track as recited in claim 1 wherein the category genre is selected in the first display screen from available categories that include at least artist, album, and genre; and the subcategories listed in the second display screen comprise a listing of at least one genre type and one of the at least one genre type is selected.

10. The method of selecting a track as recited in claim 9 further comprising displaying in the third display screen at least one album associated with the selected genre type and selecting one of the at least one albums displayed in the third display screen and presenting a listing of tracks associated with the selected album in a fourth sequentially presented display screen.

11. The method of selecting a track as recited in claim 1 wherein the category artist is selected in the first display screen from available categories that include at least artist, album, and genre; the subcategories listed in the second display screen comprise a listing of names of artists and a first artist name is selected; and the items displayed in the third display screen comprises at least one album associated with the first artist name.

12. The method of selecting a track as recited in claim 1 wherein the track is a music track, accessing at least one track comprises accessing a track title in the third display screen, and the track is played in response to the access.

13. The method of selecting a track as recited in claim 1 wherein receipt of the selection in the first display screen results in an automatic transition of the first display screen into the second display screen and receipt of the selection in the second display screen results in an automatic transition of the second display screen into the third display screen.

14. The method of selecting a track as recited in claim 1 wherein the category selected in the first display screen is from a top level of the hierarchy.

15. The method of selecting a track as recited in claim 1 wherein the category selected in the first display screen is a category from a level at least one level below the top level of the hierarchy.

16. The method of selecting a track as recited in claim 1 wherein the plurality of categories comprise a list of artist names, the plurality of subcategories comprise a list of album names and the plurality of items comprise a list of track names.

* * * * *

UNITED STATES PATENT AND TRADEMARK OFFICE
Certificate

Patent No. 6,928,433 B2

Patented: August 9, 2005

On petition requesting issuance of a certificate for correction of inventorship pursuant to 35 U.S.C. 256, it has been found that the above identified patent, through error and without any deceptive intent, improperly sets forth the inventorship.

Accordingly, it is hereby certified that the correct inventorship of this patent is: Ron Goodman, Santa Cruz, CA (US); Howard N. Egan, Capitola, CA (US); and David Bristow, Bainbridge Island, WA (US).

Signed and Sealed this Sixteenth Day of May 2006.

CHARLES RONES
Supervisory Patent Examiner
Art Unit 2164



US006928433C1

(12) **INTER PARTES REEXAMINATION CERTIFICATE** (469th)

United States Patent

Goodman et al.

(10) **Number:** **US 6,928,433 C1**

(45) **Certificate Issued:** **Oct. 8, 2012**

(54) **AUTOMATIC HIERARCHICAL CATEGORIZATION OF MUSIC BY METADATA**

(75) Inventors: **Ron Goodman**, Santa Cruz, CA (US);
Howard N. Egan, Capitola, CA (US)

(73) Assignee: **Creative Technology Limited**,
Singapore (SG)

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G9B/27.051

(58) **Field of Classification Search** 707/104
See application file for complete search history.

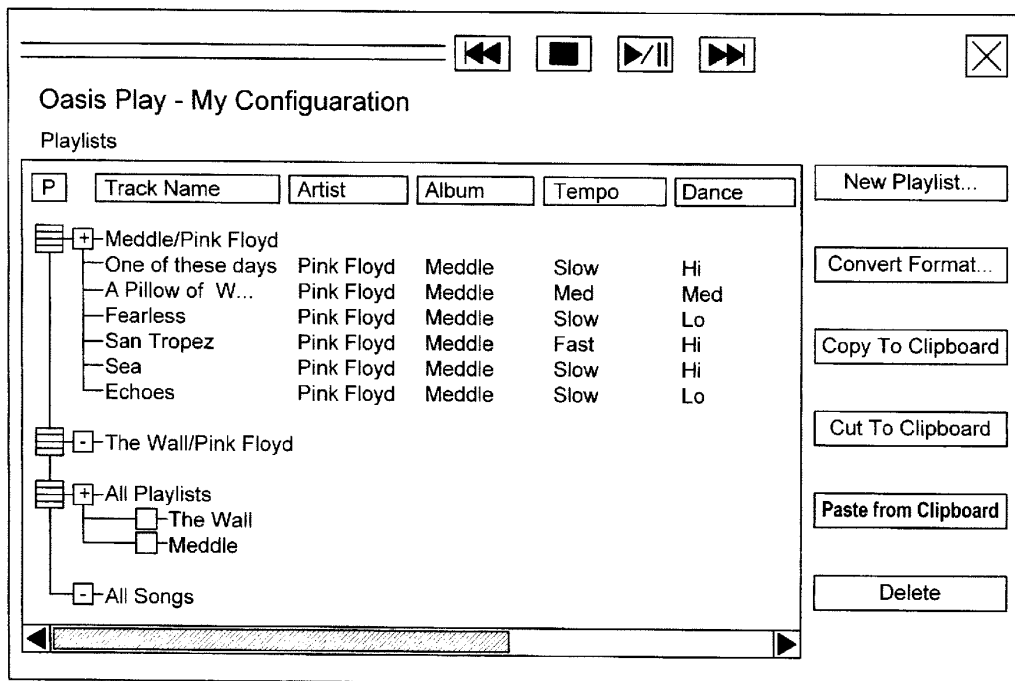
(56) **References Cited**

To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 95/001,274, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Mary Steelman

(57) **ABSTRACT**

A method, performed by software executing on the processor of a portable music playback device, that automatically files tracks according to hierarchical structure of categories to organize tracks in a logical order. A user interface is utilized to change the hierarchy, view track names, and select tracks for playback or other operations.



1
**INTER PARTES
REEXAMINATION CERTIFICATE
ISSUED UNDER 35 U.S.C. 316**

THE PATENT IS HEREBY AMENDED AS
INDICATED BELOW.

Matter enclosed in heavy brackets [] appeared in the patent, but has been deleted and is no longer a part of the patent; matter printed in italics indicates additions made to the patent.

AS A RESULT OF REEXAMINATION, IT HAS BEEN DETERMINED THAT:

The patentability of claims 2, 3, 5 and 7 is confirmed.

Claims 1, 4, 6 and 8-16 are cancelled.

New claims 17-28 are added and determined to be patentable.

17. *The method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.*

18. *The method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.*

19. *The method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.*

20. *The method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.*

21. *The method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.*

22. *The method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.*

23. *The method of selecting a track as recited in claim 1 wherein:*

the category album is selected in the first display screen from available categories that include at least artist and album;

2

the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected; and

the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.

24. *The method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.*

25. *The method of selecting a track as recited in claim 1 wherein:*

the category genre is selected in the first display screen from available categories that include at least artist, album, and genre;

the subcategories listed in the second display screen comprise a listing of a plurality of genre types, and one of one genre types is selected;

the items displayed in the third display screen comprise a listing of a plurality of album names associated with the selected genre type, and one of the album names is selected; and

the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.

26. *The method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.*

27. *The method of selecting a track as recited in claim 1 wherein:*

the category artist is selected in the first display screen from available categories that include at least artist, album, and genre;

the subcategories listed in the second display screen comprise a listing of artist names, and one of the listed artist names is selected;

the items displayed in the third display screen comprise a listing of album names associated with the selected artist name, and one of the listed album names is selected; and

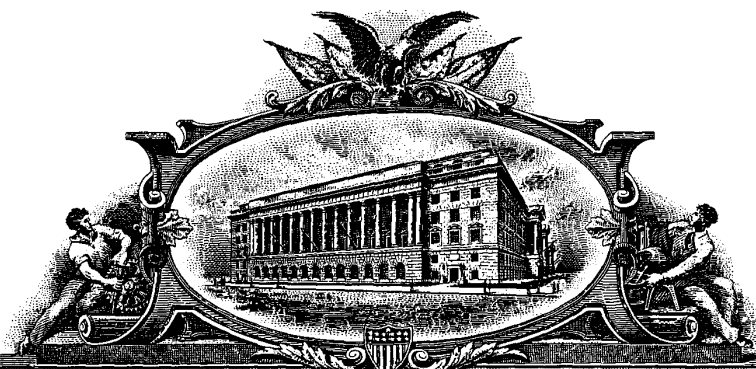
the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.

28. *The method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.*

* * * * *

EXHIBIT 2

A 796650



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

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January 27, 2006

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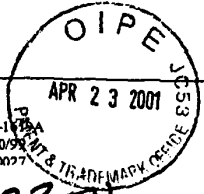


T. Wallace
T. WALLACE

Certifying Officer

05-15-2001

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101717181

FORM PTO-101
Expires 06/30/99
OMR 0651-0027

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PATENT

42301

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PATENT
REEL: 014788 FRAME: 0174

CL 000023

CREATIVE PUBLIC EXHIBIT 2

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Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$

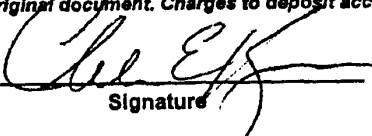
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Deposit Account
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Charles E. Krueger  April 17, 2001
Name of Person Signing Signature Date

PATENT
REEL: 011788 FRAME: 0175

CL 000024

Assignment
Attorney Docket No.: 17002-022500US
Page 2

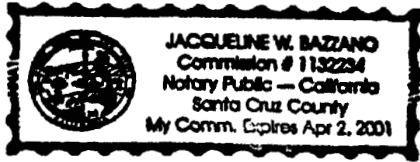
Dated: 3/14/2001


RON GOODMAN

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On March 14, 2001, before me, Jacqueline W. Bazzano,
personally appeared RON GOODMAN, personally known to me (~~or proved to me on the~~
~~basis of satisfactory evidence~~) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on
the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.




NOTARY PUBLIC

My Commission Expires: 4/2/2001

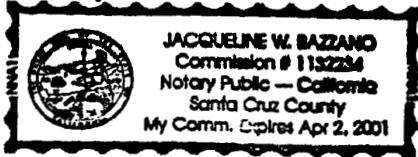
Dated: 3-22-2001

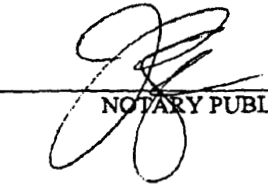

HOWARD N. EGAN

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

On March 22, 2001, before me, Jacqueline W Bazzano (Notary Public)
personally appeared HOWARD N. EGAN, personally known to me (~~or proved to me on the~~
~~basis of satisfactory evidence~~) to be the person whose name is subscribed to the within instrument, and
acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on
the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.




NOTARY PUBLIC

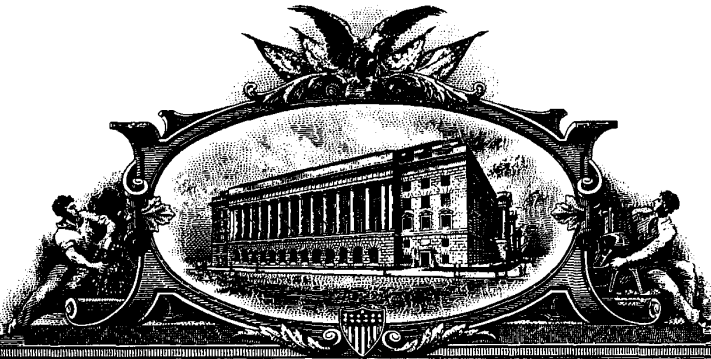
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PATENT
REEL: 011788 FRAME: 0177

CL 000026

A 796650



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January 27, 2006

THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
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T. Wallace
T. WALLACE
Certifying Officer

CL 000035

07-19-2004

7.15.04

Form PTO-1595 (Rev. 06/04)
OMB No. 0651-0027 (exp. 6/30/2005)



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United States Patent and Trademark Office

102793378

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| 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Creative Labs, Inc.</u> Internal Address: <u>Corporate Legal Department</u> <u>Attn: Russell N. Swerdon</u> Street Address: <u>1901 McCarthy Boulevard</u> City: <u>Milpitas</u> State: <u>CA</u> Zip: <u>95035</u> Phone Number: <u>(408) 546-6417</u> Fax Number: <u>(408) 428-6699</u> Email Address: <u>russ.swerdon@creativelabs.com</u> | 6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 <input type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number _____ Authorized User Name _____ |
| 9. Signature: <u>Russell N. Swerdon</u> <u>2-1-05</u> <u>July 12, 2004</u> Signature Date Russell N. Swerdon, Reg. No. 36,943 Name of Person Signing | |

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PATENT
REEL: 015640 FRAME: 0748

CL 000036
CREATIVE PUBLIC EXHIBIT 2

Attorney Docket No. 6407P212

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned:

BRISTOW, David, 5988 NE Tolo Road, Bainbridge Island, Washington 98110

hereby sells, assigns, and transfers to Creative Technology Limited, a corporation of Singapore, having a principal place of business at

31 International Business Park, Creative Resource, Singapore 609921, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled **AUTOMATIC HIERARCHICAL CATEGORIZATION OF MUSIC BY METADATA** filed as Application No. 09/755,723 on January 5, 2001


and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

PATENT
REEL: 015640 FRAME: 0749

Attorney Docket No. 6407P212

| | |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Each Inventor: Please Sign and Date Below: | |
| July <u>7</u> , 2004 Date |  BRISTOW, David |
| July _____, 2004 Date | _____ |
| July _____, 2004 Date | _____ |

| | |
|---------------------------------------------------------------------------------------------------------------------|-------|
| Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY: | |
| July <u>7</u> , 2004 Date | _____ |
| July _____, 2004 Date | _____ |
| July _____, 2004 Date | _____ |

RECORDED: 07/15/2004

PATENT
REEL: 015640 FRAME: 0750

CONFIDENTIAL EXHIBIT 3
NOT INCLUDED IN PUBLIC VERSION

EXHIBIT 4

EXHIBIT 4

CLAIM CHART DEMONSTRATING ZTE'S PRACTICE OF U.S. PATENT NO. 6,928,433

The ZTE Axon Pro is imported and sold with the Android operating system and the Google Play Music application (Version 5.8.1810R.1720607) pre-installed. All of the accused ZTE devices that are imported and sold with the Android operating system and the Google Play Music application pre-installed infringe the claims of U.S. Patent No. 6,928,433 set forth below.

| '433 Claims | ZTE Axon Pro |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. A method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy, the method comprising:</p> | <p>[NOT ASSERTED – CHARTED FOR PURPOSES OF DEPENDENT CLAIMS]</p> <p>To the extent that the preamble is construed to be a limitation to the claim, the ZTE Axon Pro is operable to perform a method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy.</p> <p>The ZTE Axon Pro is imported and sold with the Google Play Music application pre-installed, which is operable to access the plurality of tracks according to a hierarchy. The ZTE Axon Pro is configured to present sequentially a first display screen (showing categories such as “Albums,” “Artists,” and “Genres”); a second display screen (depending on the selected category, showing a listing of subcategories such as albums, artists, or genres represented in the music tracks stored on the ZTE Axon Pro); and a third display screen (showing a listing of tracks corresponding to the selection made on the second display screen).</p> <p>The following three screenshots demonstrate a navigation through a first, second, and third display screens respectively.</p> |

'433 Claims

ZTE Axon Pro

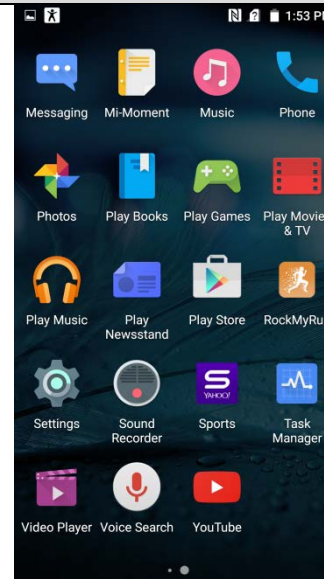
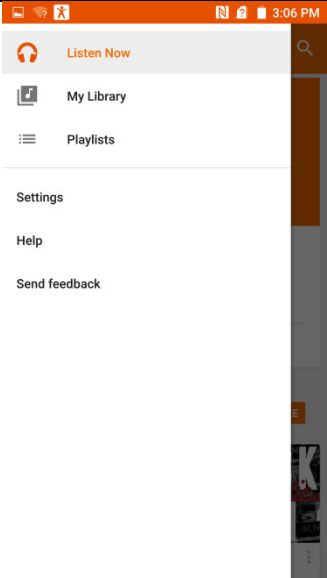


Fig. 1 – Selecting the “Play Music” icon launches the preinstalled “Play Music” application.

| '433 Claims | ZTE Axon Pro |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 2 – The music app has three modes: “Listen Now,” “My Library,” and “Playlists.” The “My Library” mode permits a user to navigate through music stored on the device.</p> |

'433 Claims

ZTE Axon Pro

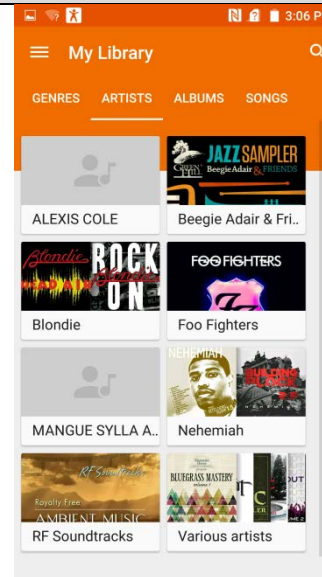


Fig. 3 – After selecting “My Library,” the first display screen displays categories, including “Albums,” “Artists,” and “Genres.”

'433 Claims

ZTE Axon Pro

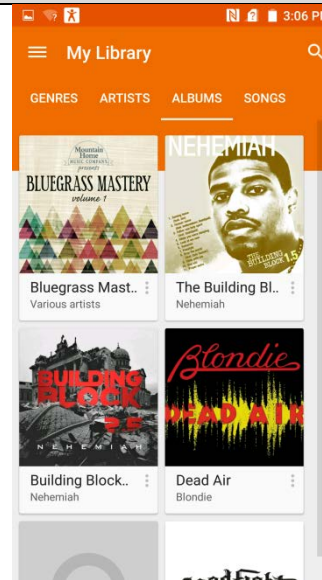

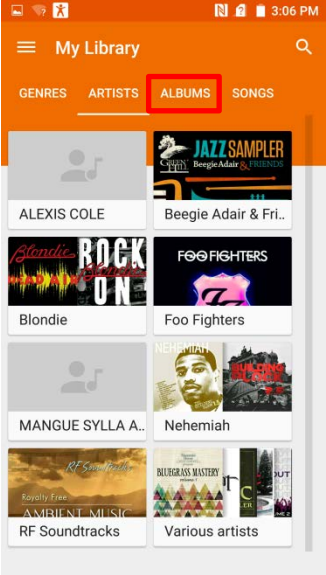
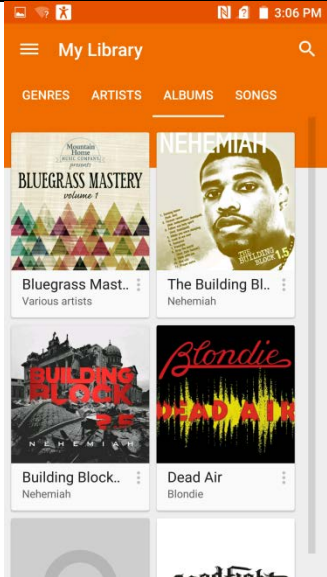
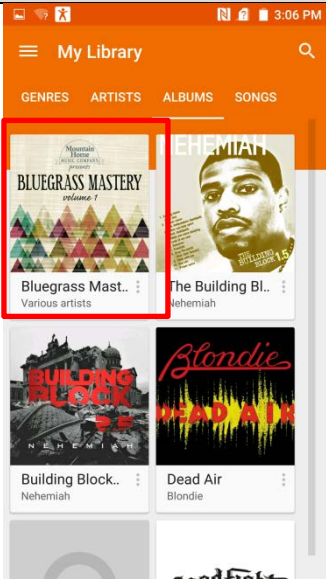



Fig. 4 – After selecting “Albums,” the second display screen displays albums stored on the device.

| '433 Claims | ZTE Axon Pro |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 5 – After selecting an album, the third display screen displays tracks stored on the device associated with the selected album.</p> |
| (a) selecting a category in the first display screen of the portable media player; | <p>The ZTE Axon Pro is operable to perform the step of selecting a category in the first display screen of the portable media player.</p> <p>The pre-installed Play Music application on the ZTE Axon Pro allows a user to select a category in the first display screen. The category options include “Genres,” “Artists,” “Albums,” and “Songs.”</p> |

| '433 Claims | ZTE Axon Pro |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 6 – In this example, the category “Albums” is selected.</p> |
| <p>(b) displaying the subcategories belonging to the selected category in a listing presented in the second display screen;</p> | <p>The ZTE Axon Pro is operable to perform the step of displaying the subcategories belonging to the selected category in a listing presented in the second display screen.</p> <p>The pre-installed Play Music application on the ZTE Axon Pro displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Albums” category in the first display screen, the Music application displays a second display screen containing album names.</p> |

| '433 Claims | ZTE Axon Pro |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 7 – After selecting “Albums,” the second display screen displays albums stored on the device.</p> |
| (c) selecting a subcategory in the second display screen; | <p>The ZTE Axon Pro is operable to perform the step of selecting a subcategory in the second display screen.</p> <p>The pre-installed Play Music application on the ZTE Axon Pro allows a user to select a subcategory in the second display screen. For example, if the user selected the “Albums” category in the first display screen, a user can select an album from the albums displayed on the second display screen.</p> |

| '433 Claims | ZTE Axon Pro |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 8 – In this example, the album “Bluegrass Mastery Vol. 1” is selected from this list of albums.</p> |
| <p>(d) displaying the items belonging to the selected subcategory in a listing presented in the third display screen; and</p> | <p>The ZTE Axon Pro is operable to perform the step of displaying the items belonging to the selected subcategory in a listing presented in the third display screen.</p> <p>The pre-installed Play Music application on the ZTE Axon Pro displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Bluegrass Mastery Vol. 1” album in the second display screen, the Music application displays a third display screen containing the music tracks stored on the ZTE Axon Pro belonging to the selected album.</p> |


| '433 Claims | ZTE Axon Pro |
|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 9 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.</p> |
| <p>(e) accessing at least one track based on a selection made in one of the display screens.</p> | <p>The ZTE Axon Pro is operable to perform the step of accessing at least one track based on a selection made in one of the display screens.</p> <p>The pre-installed Play Music application on the ZTE Axon Pro will access a track, for example playing a track based on a selection made in one of the display screens. For example, when the user selects the track “Mystery Train” on the third display screen, the “Mystery Train” track begins playing.</p> |

'433 Claims

ZTE Axon Pro



Fig. 10 – Selecting the “Mystery Train” track results in playing the selected track.

| '433 Claims | ZTE Axon Pro |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 11 – Once selected, the track “Mystery Train” begins playing.</p> |
| <p>2. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> | <p>The ZTE Axon Pro is operable to perform the step of accessing at least one track by selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the ZTE Axon Pro is operable to play a plurality of tracks associated with the selected category. For example, the ZTE Axon Pro allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The ZTE Axon Pro then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of songs that is currently being played. The tracks added to the active queue list of songs that is currently being played will play sequentially.</p> <p>See discussion for claim 1.</p> |

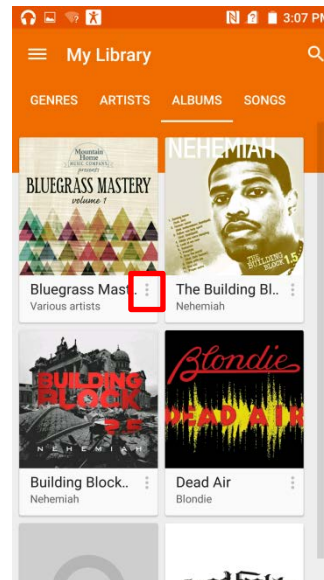


Fig. 12 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

'433 Claims

ZTE Axon Pro

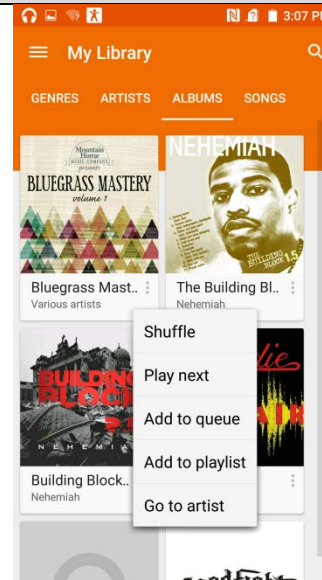


Fig. 13 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

ZTE Axon Pro

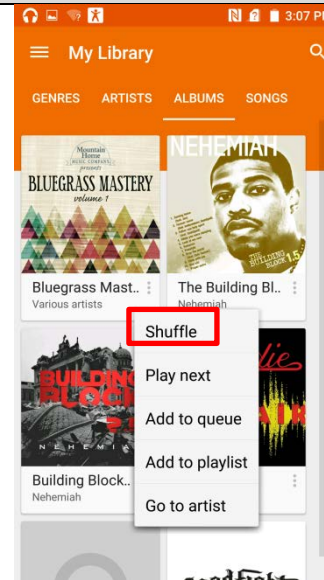
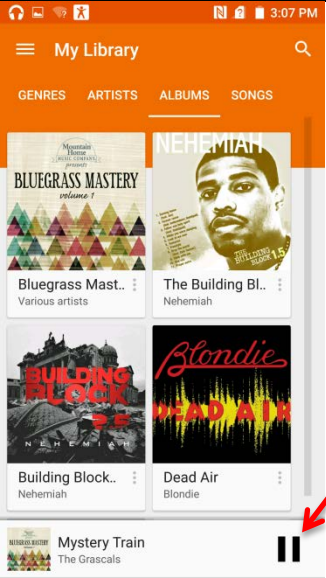


Fig. 14 – “Shuffle” is selected.

| '433 Claims | ZTE Axon Pro |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Track begins to play. </div> |
| <p>Fig. 15 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> | |

'433 Claims

ZTE Axon Pro

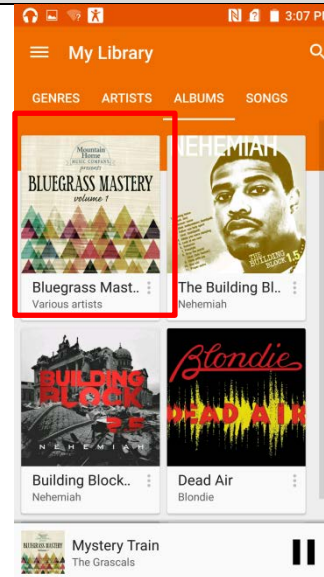


Fig. 16 – The same album is then tapped.


| '433 Claims | ZTE Axon Pro |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows a music application interface on a ZTE Axon Pro smartphone. At the top, the status bar displays the time as 3:07 PM and various system icons. The main content area features the album cover for 'Bluegrass Mastery volume 1' by Mountain Home Music Company, which is presented by various artists. The cover art consists of a colorful, geometric pattern of overlapping triangles in shades of green, yellow, red, and purple. Below the album art, the title 'Bluegrass Mastery Vol. 1' is displayed, followed by 'Various artists' and '2013 · 10 songs'. A large orange play button is positioned to the right of the album art. Below this, the first track is listed: '1 Gone at Last' by Doyle Lawson & Quicksilver, with a duration of 2:52. At the bottom of the screen, a playback control bar shows the current track 'Mystery Train' by The Grascals, with a pause button.</p> |

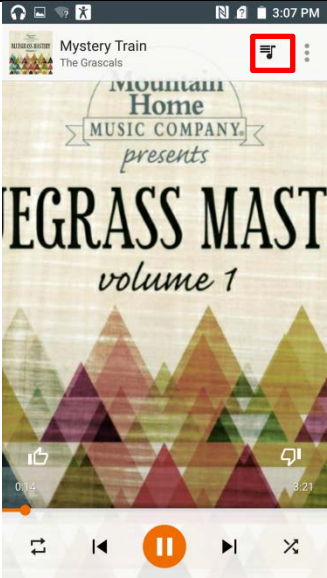
Fig. 17 – The third display screen displays the tracks from the album.

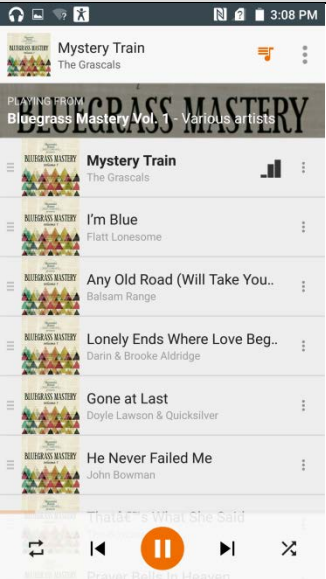
'433 Claims

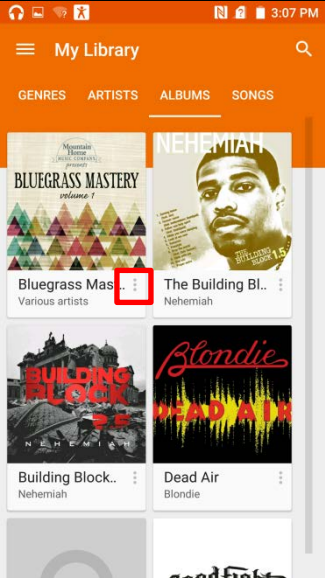
ZTE Axon Pro



Fig. 18 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 19 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | ZTE Axon Pro |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 20 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>3. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> | <p>The ZTE Axon Pro is operable to perform the step of accessing at least one track by selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the ZTE Axon Pro is operable to add a plurality of tracks associated with the selected category to a playlist. For example, the ZTE Axon Pro allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The ZTE Axon Pro then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of currently playing music.</p> <p>See discussion for claims 1 and 2.</p> |

| '433 Claims | ZTE Axon Pro |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 21 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”</p> |

'433 Claims

ZTE Axon Pro

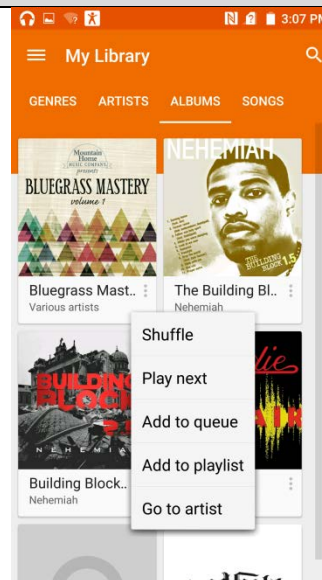


Fig. 22 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

ZTE Axon Pro

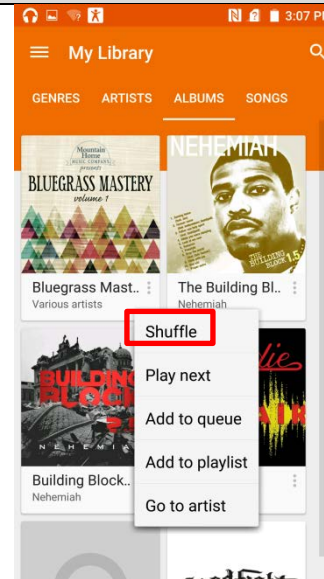
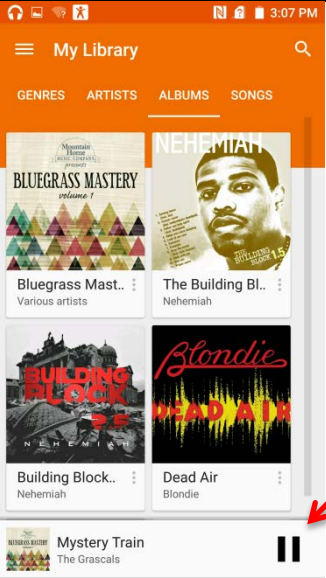


Fig. 23 – “Shuffle” is selected.

| '433 Claims | ZTE Axon Pro |
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| |  <p>Track begins to play.</p> <p>Fig. 24 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

ZTE Axon Pro

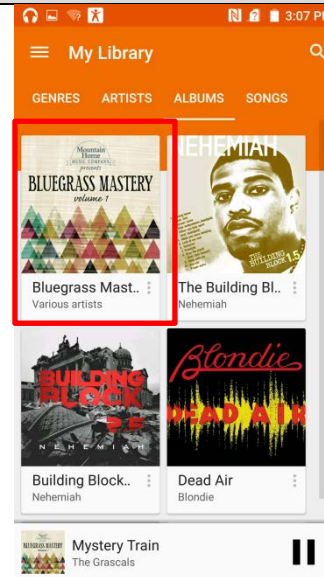


Fig. 25 – The same album is then tapped.


| '433 Claims | ZTE Axon Pro |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows a music application interface on a ZTE Axon Pro smartphone. At the top, the status bar displays various icons and the time 3:07 PM. The main content area features the album cover for 'Bluegrass Mastery volume 1' by Mountain Home Music Company, which is a collection of various artists. Below the cover, the album title and artist information are displayed. A track titled 'Gone at Last' by Doyle Lawson & Quicksilver is highlighted as the current track, with a duration of 2:52. At the bottom, a playback bar shows the track 'Mystery Train' by The Grascals, which is currently paused.</p> |

Fig. 26 – The third display screen displays the tracks from the album.

'433 Claims

ZTE Axon Pro



Fig. 27 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

ZTE Axon Pro

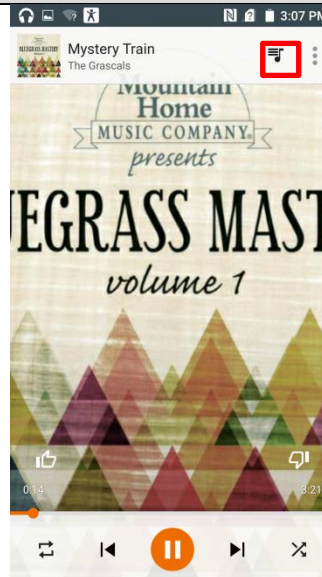


Fig. 28 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

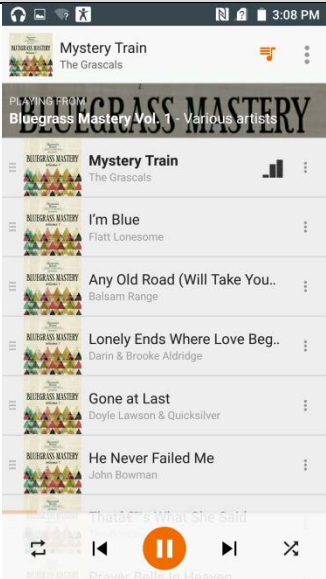
| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 29 – The queue shows that all of the tracks from the album have been added to the queue.</p> |
| <p>5. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> | <p>The ZTE Axon Pro is operable to perform the step of accessing at least one track by selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the ZTE Axon Pro is operable to add a track associated with the selected subcategory to a playlist. For example, the ZTE Axon Pro allows a user to select an album from the second display screen, and then from the third display screen the ZTE Axon Pro allows a user to select a track from that album resulting in all of the tracks from the album being added to the queue.</p> <p>See discussion for claim 1.</p> |



Fig. 30 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.

'433 Claims

ZTE Axon Pro



Fig. 31 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

ZTE Axon Pro

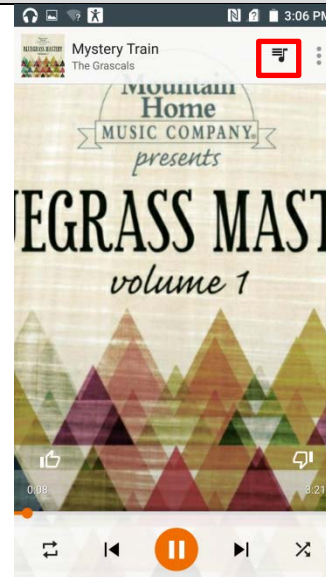
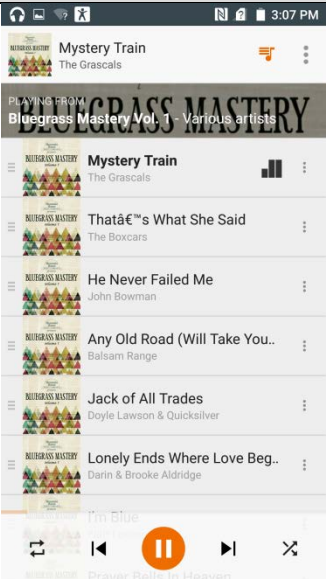


Fig. 32 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 33 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>7. The method of selecting a track as recited in claim 1 wherein the accessing at least one track is made after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> | <p>The ZTE Axon Pro is operable to perform the step of accessing at least one track after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> <p>See discussion for claims 1 and 2.</p> <p>The ZTE Axon Pro allows a user to, instead of (or in addition to) selecting a track on the third display screen, select the back arrow at the top left of the third display screen. The ZTE Axon Pro then displays the second display screen again. From the second display screen, the ZTE Axon Pro allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The ZTE Axon Pro then allows a user to then tap the “Shuffle” button to add the tracks</p> |

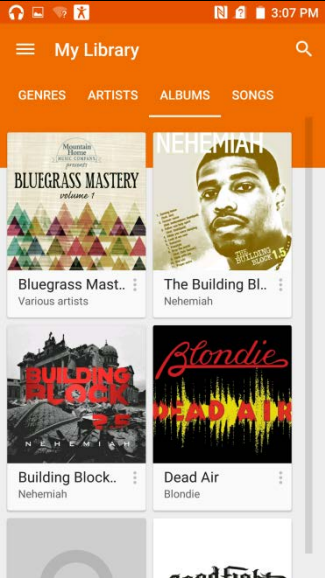
'433 Claims

ZTE Axon Pro

of that album in a random order to the active queue list of currently playing music.



Fig. 34 – On the third display screen, the arrow in the top left of the screen is selected.

| '433 Claims | ZTE Axon Pro |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 35 – The second display screen is then displayed again.</p> |

'433 Claims

ZTE Axon Pro

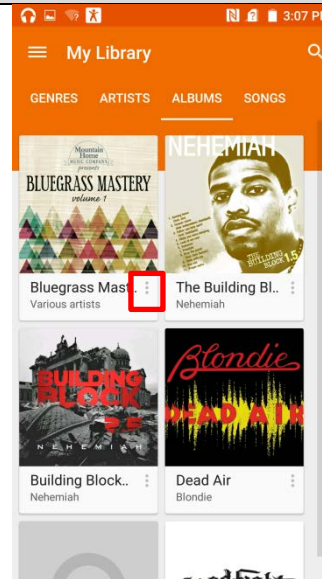


Fig. 36 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

'433 Claims

ZTE Axon Pro

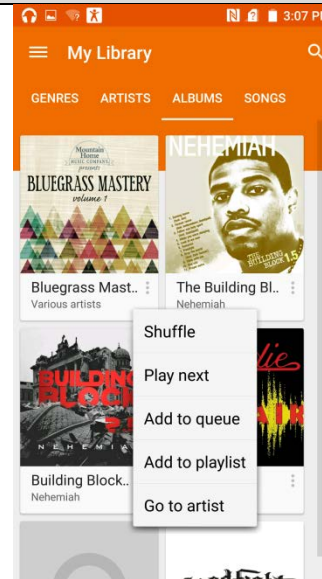


Fig. 37 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

ZTE Axon Pro

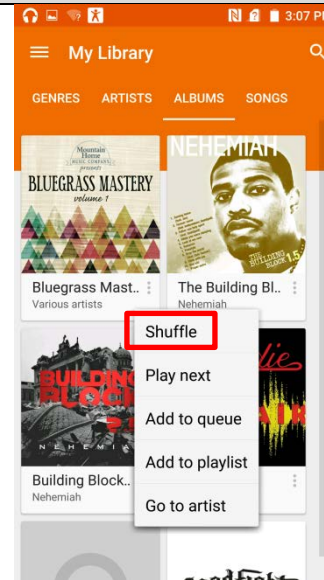
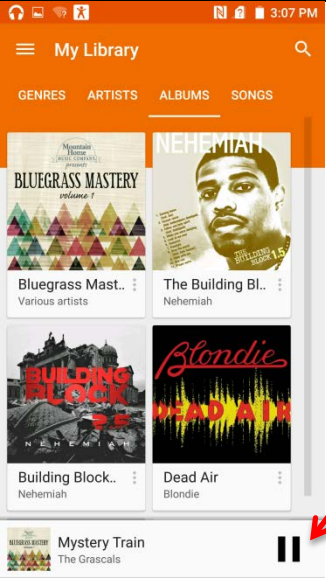


Fig. 38 – “Shuffle” is selected.

| '433 Claims | ZTE Axon Pro |
|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <div style="border: 1px solid black; padding: 5px; display: inline-block;">Track begins to play.</div> |
| <p>Fig. 39 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> | |

'433 Claims

ZTE Axon Pro

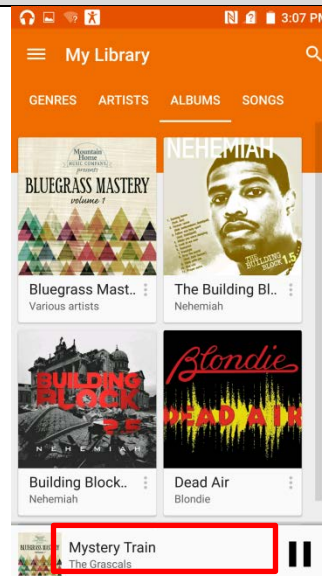
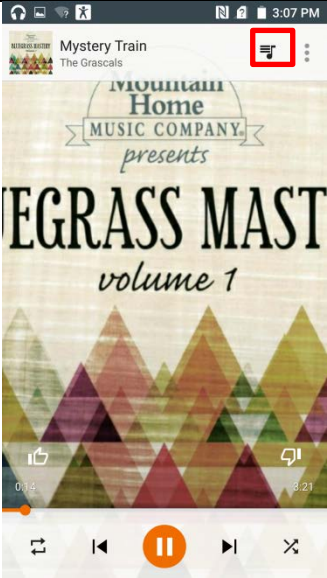
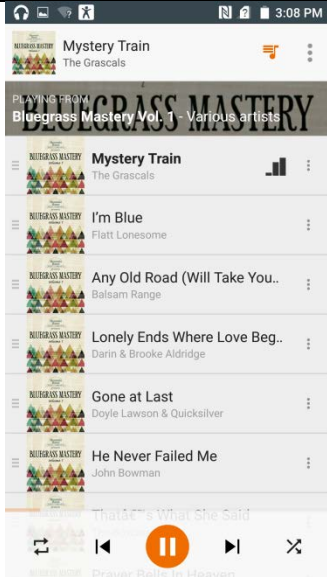
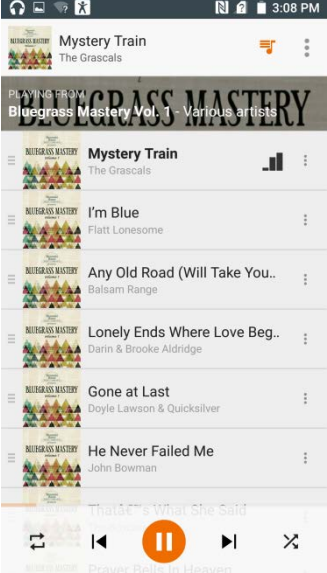
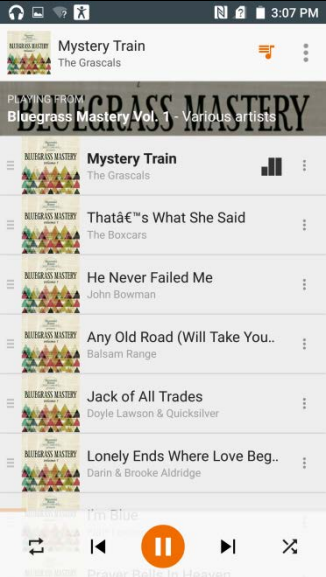


Fig. 40 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | ZTE Axon Pro |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 41 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | ZTE Axon Pro |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows a music player interface on a ZTE Axon Pro. At the top, the status bar shows the time as 3:08 PM. The main header displays 'Mystery Train' by 'The Grascals'. Below this, it indicates 'PLAYING FROM Bluegrass Mastery Vol. 1 - Various artists'. A queue of tracks is listed: 'Mystery Train' (The Grascals), 'I'm Blue' (Flatt Lonesome), 'Any Old Road (Will Take You..)' (Balsam Range), 'Lonely Ends Where Love Beg..' (Darin & Brooke Aldridge), 'Gone at Last' (Doyle Lawson & Quicksilver), and 'He Never Failed Me' (John Bowman). The bottom of the screen shows playback controls, including a large orange play/pause button.</p> <p>Fig. 42 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>17. The method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 3.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 43 – The tracks from the selected album have been added to the active queue list of songs that is currently being played.</p> |
| <p>18. The method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 5.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 44 – All of the tracks associated with the “Bluegrass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.</p> |
| <p>19. The method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> <p>See claim 5.</p> |

'433 Claims

ZTE Axon Pro



Fig. 45 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.



Track begins to play.

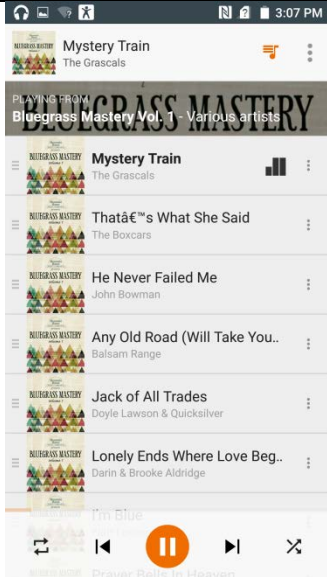
Fig. 46 – Once selected, the track “Mystery Train” begins playing from the queue. All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

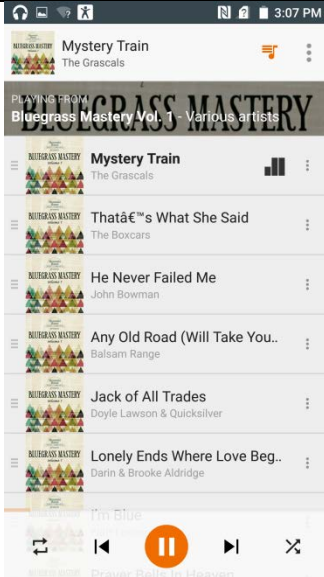
'433 Claims

ZTE Axon Pro



Fig. 47 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | ZTE Axon Pro |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows a music player interface on a ZTE Axon Pro. At the top, the status bar shows the time as 3:07 PM. The main header displays 'Mystery Train' by 'The Grascals'. Below this, a banner indicates 'PLAYING FROM Bluegrass Mastery Vol. 1 - Various artists'. A queue of tracks is listed below the banner, including 'Mystery Train', 'That's What She Said', 'He Never Failed Me', 'Any Old Road (Will Take You..)', 'Jack of All Trades', and 'Lonely Ends Where Love Beg..'. At the bottom, a playback control bar shows a play button and other standard controls.</p> <p>Fig. 48 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>20. The method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 19.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>The screenshot shows a music player interface on a ZTE Axon Pro. At the top, the status bar displays the time as 3:07 PM. Below the status bar, the current track is 'Mystery Train' by The Grascals. A banner indicates the music is 'PLAYING FROM Bluegrass Mastery Vol. 1 - Various artists'. Below this, a list of tracks is shown, including 'Mystery Train', 'That's What She Said', 'He Never Failed Me', 'Any Old Road (Will Take You..)', 'Jack of All Trades', and 'Lonely Ends Where Love Beg..'. At the bottom, there are playback controls including a play/pause button, a shuffle button, and a repeat button.</p> <p>Fig. 49 – All of the tracks associated with the “Blue Grass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.</p> |
| <p>21. The method of selecting a track as recited in claim 5 where in the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> <p>See claim 5.</p> <p>For example, if on the first display screen the “Genres” category is selected and a genre is selected on the second display screen, the ZTE Axon Pro displays albums on the third display screen. The ZTE Axon Pro then allows a user to select an album name and select shuffle, which adds all of the tracks associated with the selected album name to the active queue list of songs that is currently being played.</p> |

'433 Claims

ZTE Axon Pro

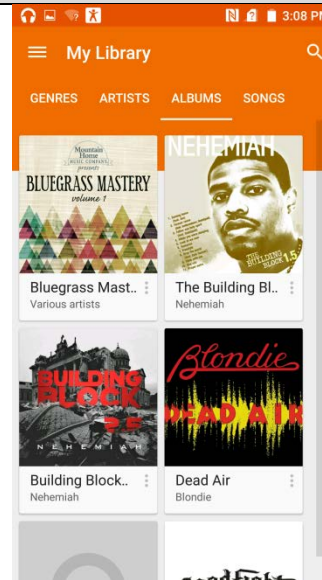


Fig. 50 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.

'433 Claims

ZTE Axon Pro

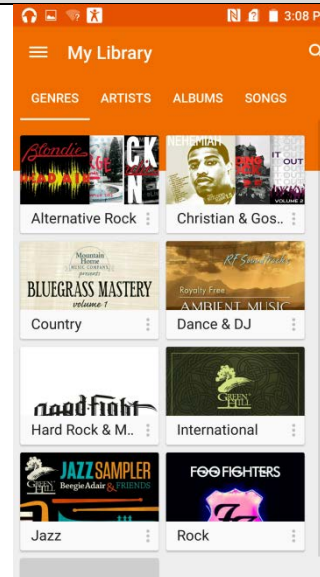


Fig. 51 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.

'433 Claims

ZTE Axon Pro

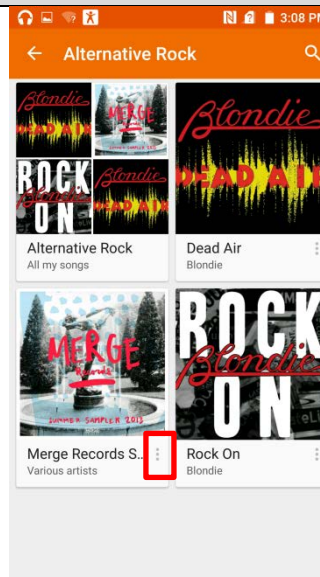


Fig. 52 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

'433 Claims

ZTE Axon Pro

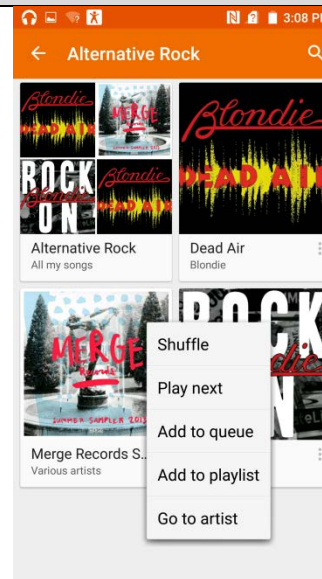


Fig. 53 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

ZTE Axon Pro

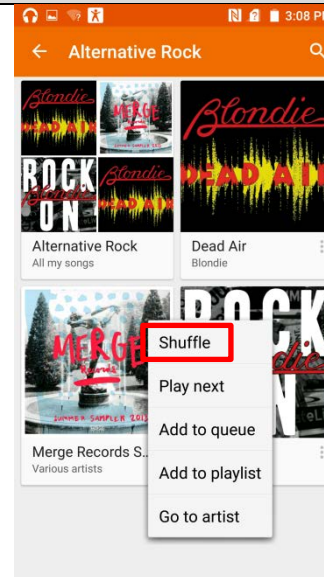
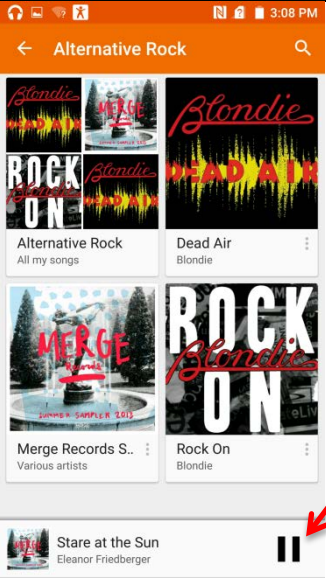


Fig. 54 – “Shuffle” is selected.

| '433 Claims | ZTE Axon Pro |
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| |  <p>Track begins to play.</p> <p>Fig. 55 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

ZTE Axon Pro

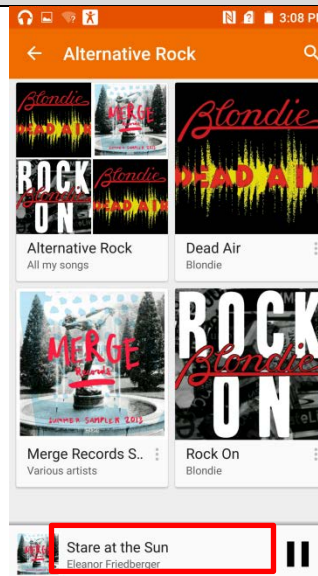

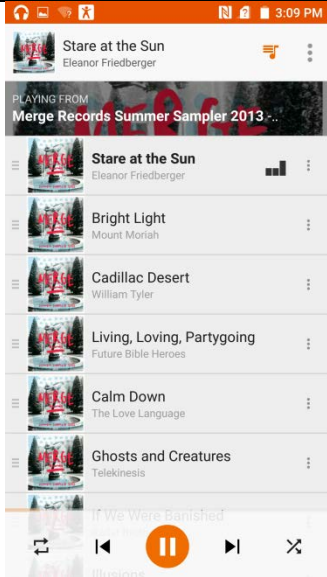


Fig. 56 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | ZTE Axon Pro |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 57 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | ZTE Axon Pro |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 58 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>22. The method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 21.</p> |

'433 Claims

ZTE Axon Pro

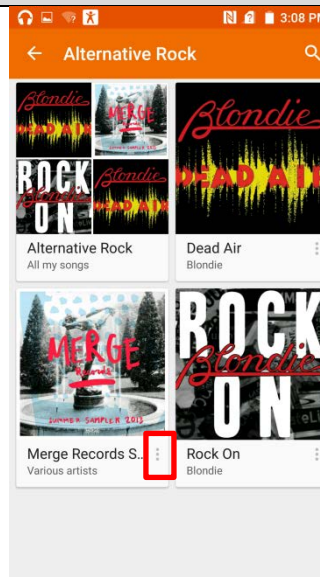


Fig. 59 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

'433 Claims

ZTE Axon Pro

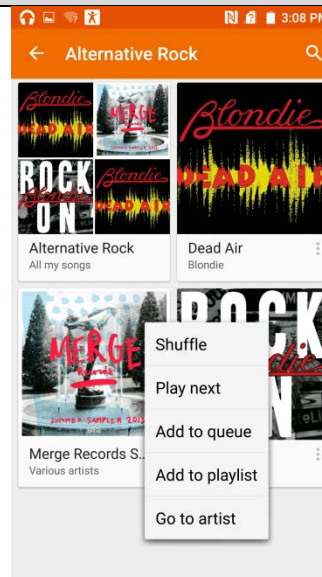


Fig. 60 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

ZTE Axon Pro

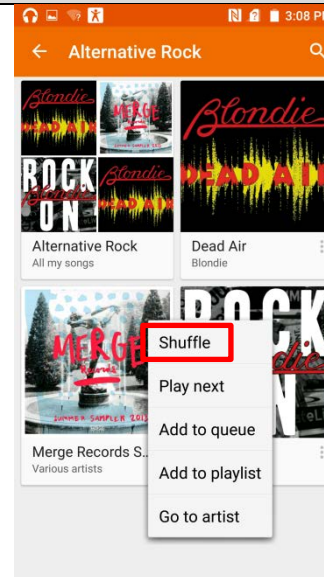
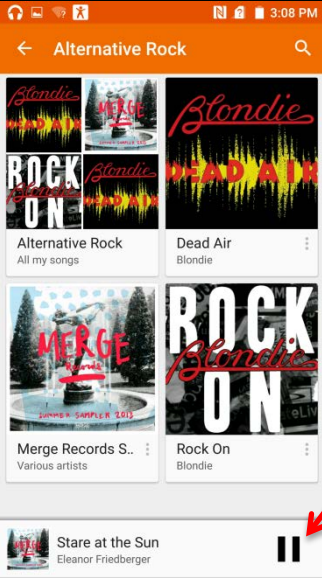


Fig. 61 – “Shuffle” is selected.

| '433 Claims | ZTE Axon Pro |
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| |  <p>Track begins to play.</p> <p>Fig. 62 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

ZTE Axon Pro

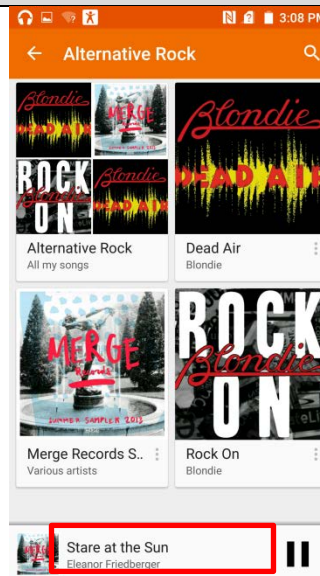

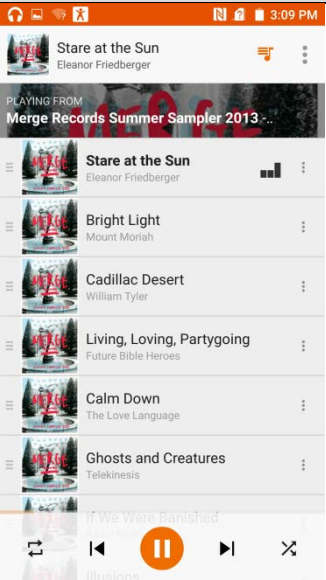
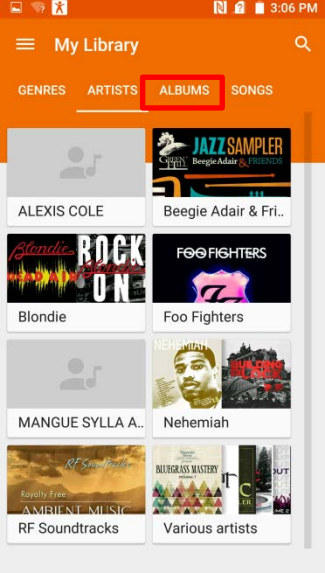
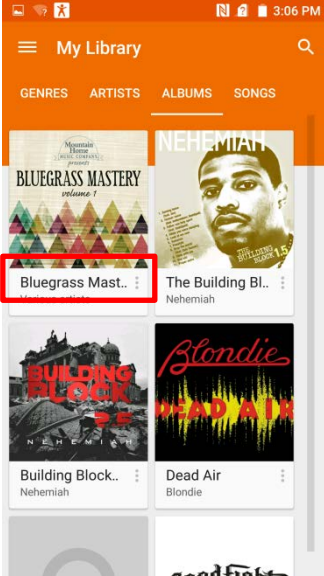


Fig. 63 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 64 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 65 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| 23. The method of selecting a track as recited in claim 1 wherein: | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| (a) the category album is selected in the first display screen from available categories that include at least artist and album; | <p>The ZTE Axon Pro is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist and album.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 66 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Albums” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected; and</p> | <p>The ZTE Axon Pro is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 67 – After selecting “Albums,” the second display screen displays albums stored on the device. In this example, the album “Bluegrass Mastery Vol. 1” is selected.</p> |
| <p>(c) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The ZTE Axon Pro is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claims 1 and 3.</p> |

'433 Claims

ZTE Axon Pro




Fig. 68 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.

'433 Claims

ZTE Axon Pro



Fig. 69 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.

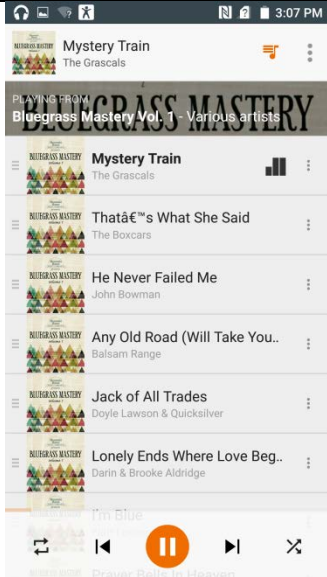
| '433 Claims | ZTE Axon Pro |
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| |  <p>Track begins to play.</p> <p>Fig. 70 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.</p> |

'433 Claims

ZTE Axon Pro



Fig. 71 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.


| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 72 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>24. The method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 23.</p> |

'433 Claims

ZTE Axon Pro



Fig. 73 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.


| '433 Claims | ZTE Axon Pro |
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| |  <p>Track begins to play.</p> <p>Fig. 74 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.</p> |

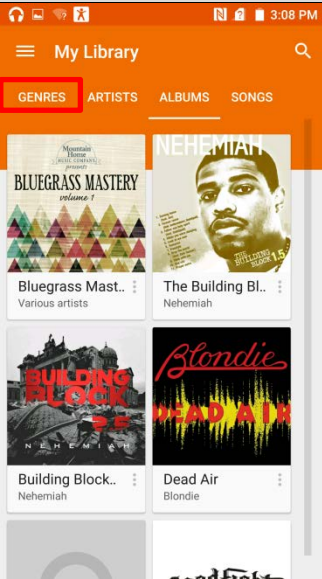
'433 Claims

ZTE Axon Pro



Fig. 75 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | ZTE Axon Pro |
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| |  <p>The screenshot shows a music player interface. At the top, it says 'Mystery Train' by 'The Grascals'. Below that, it says 'PLAYING FROM Bluegrass Mastery Vol. 1 - Various artists'. A list of tracks is shown in a queue: 'Mystery Train' (The Grascals), 'That's What She Said' (The Boxcars), 'He Never Failed Me' (John Bowman), 'Any Old Road (Will Take You..)' (Balsam Range), 'Jack of All Trades' (Doyle Lawson & Quicksilver), and 'Lonely Ends Where Love Beg..' (Darin & Brooke Aldridge). At the bottom, there are playback controls including a play/pause button, a stop button, and a full-screen button.</p> <p>Fig. 76 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| 25. The method of selecting a track as recited in claim 1 wherein: | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| (a) the category genre is selected in the first display screen from available categories that include at least artist, album, and genre; | <p>The ZTE Axon Pro is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist, album, and genre.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 77 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of a plurality of genre types, and one of one genre types is selected;</p> | <p>The ZTE Axon Pro is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the ZTE Axon Pro displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Genres” category in the first display screen, the Music application displays a second display screen containing genre types. The pre-installed Play Music application on the ZTE Axon Pro then allows a user to select a subcategory in the second display screen, such as “Alternative Rock.”</p> |

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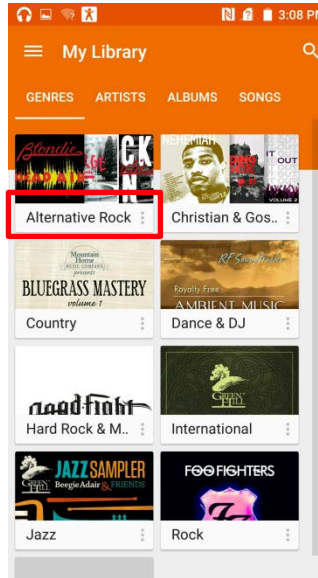


Fig. 78 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.

(c) the items displayed in the third display screen comprise a listing of a plurality of album names associated with the selected genre type, and one of the album names is selected; and

The ZTE Axon Pro is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected genre type and one of the album names is selected.

See discussion for claim 1.

The pre-installed Play Music application on the ZTE Axon Pro displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Alternative Rock” genre in the second display screen, the Music application displays a third display screen containing the album names stored on the ZTE Axon Pro belonging

| '433 Claims | ZTE Axon Pro |
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| | <p>to the selected genre. The pre-installed Play Music application on the ZTE Axon Pro then allows a user to select an item in the third display screen, such as the album name “Merge Records Summer Sampler 2013.”</p> <div> </div> <p>Fig. 79 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.</p> |
| <p>(d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The ZTE Axon Pro is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the ZTE Axon Pro is allows a user to select</p> |

an album name from the third screen and add a plurality of tracks associated with the album name to a playlist. For example, when the user selects the album “Merge Records Summer Sampler 2013” by tapping on the three vertical dots on the bottom right corner of the album and selects “Shuffle,” all of the tracks associated with the selected album name are added to the queue.

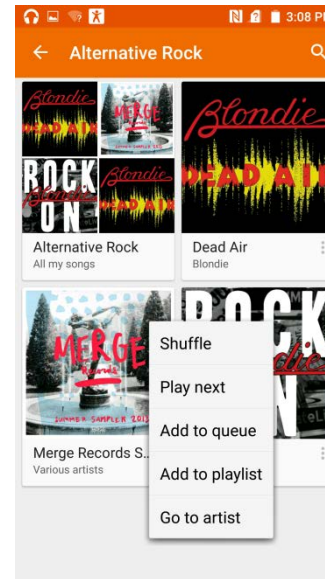


Fig. 80 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

ZTE Axon Pro

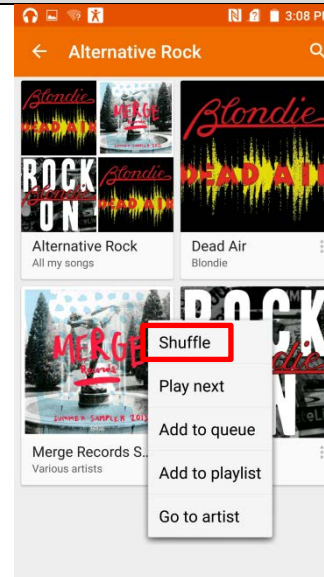
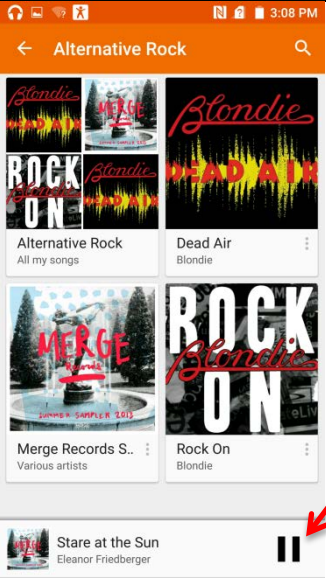


Fig. 81 – “Shuffle” is selected.

| '433 Claims | ZTE Axon Pro |
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| |  <p>Track begins to play.</p> <p>Fig. 82 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

ZTE Axon Pro

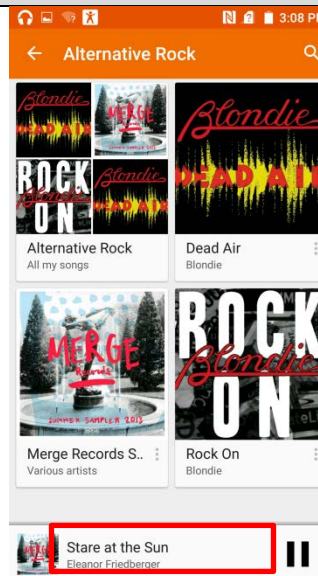

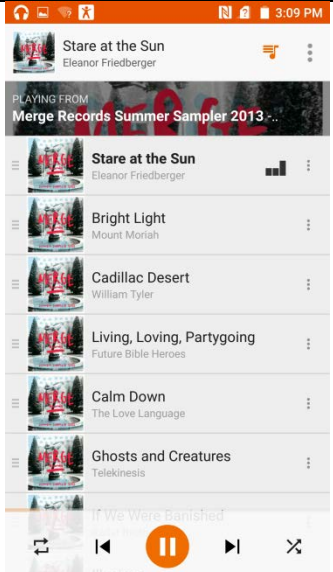
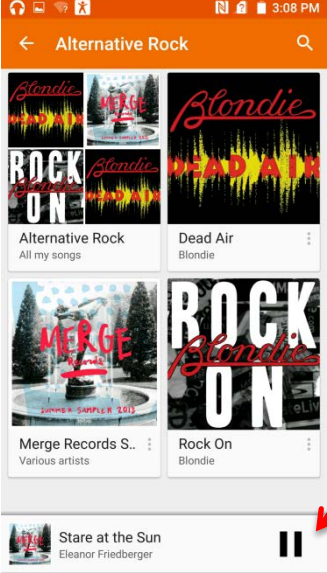


Fig. 83 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 84 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 85 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>26. The method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 25.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Track begins to play.</p> <p>Fig. 86 – After selecting “Shuffle,” all of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

ZTE Axon Pro

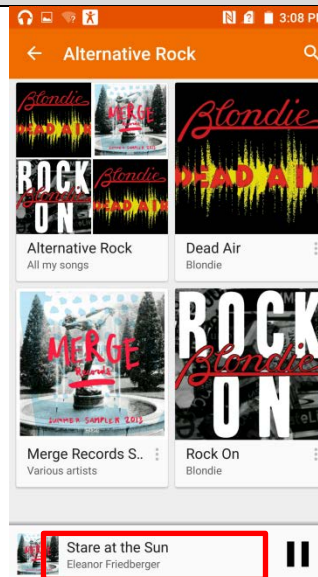

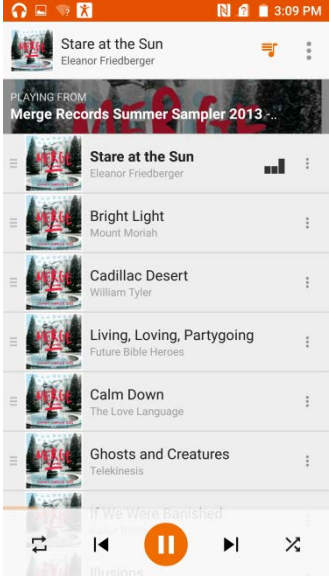
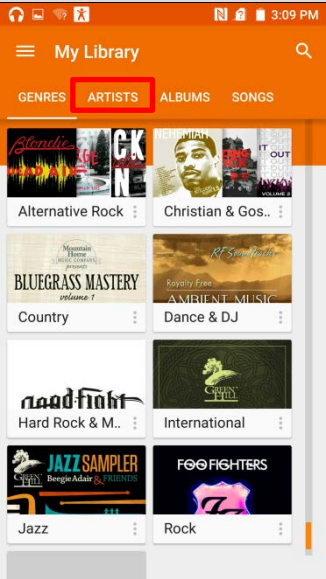


Fig. 87 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 88 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 89 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| 27. The method of selecting a track as recited in claim 1 wherein: | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| (a) the category artist is selected in the first display screen from available categories that include at least artist, album, and genre; | <p>The ZTE Axon Pro is operable to perform the method of claim 1 wherein the category artist is selected in the first display screen from available categories that include at least artist, album, and genre.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 90 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Artists” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of artist names, and one of the listed artist names is selected;</p> | <p>The ZTE Axon Pro is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of artist names and one of the artist names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the ZTE Axon Pro displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Artists” category in the first display screen, the Music application displays a second display screen containing artist names. The pre-installed Play Music application on the ZTE Axon Pro then allows a user to select a subcategory in the second display screen, such as “Nehemiah.”</p> |

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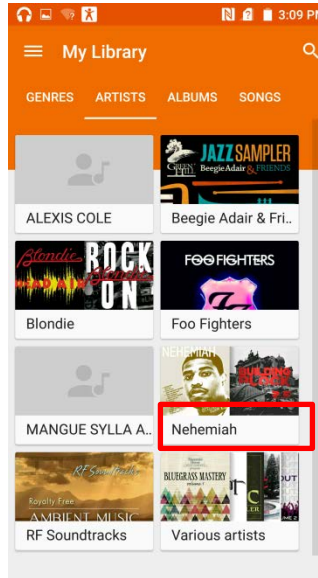


Fig. 91 – After selecting “Artists,” the second display screen displays artist names associated with tracks stored on the device. In this example, the artist name “Nehemiah” is selected.

(c) the items displayed in the third display screen comprise a listing of album names associated with the selected artist name, and one of the listed album names is selected; and

The ZTE Axon Pro is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected artist name and one of the album names is selected.

See discussion for claim 1.

The pre-installed Play Music application on the ZTE Axon Pro displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the artist name “Nehemiah” in the second display screen, the Music application displays a third display screen containing the album names stored on the ZTE Axon Pro associated with the

| '433 Claims | ZTE Axon Pro |
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| | <p>selected artist name. The pre-installed Play Music application on the ZTE Axon Pro then allows a user to select an item in the third display screen, such as the album name “The Building Block 1.5.”</p> <div> </div> <p>Fig. 92 – After selecting “Nehemiah,” the third display screen displays album names associated with the selected artist name “Nehemiah.” In this example, the album name “The Building Block 1.5” is selected by tapping on the three vertical dots on the bottom right corner of the album.</p> |
| <p>(d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The ZTE Axon Pro is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the ZTE Axon Pro is allows a user to select</p> |

'433 Claims

ZTE Axon Pro

an album name from the third screen and add a plurality of tracks associated with the album name to a playlist. For example, when the user selects the album “The Building Block 1.5” by tapping on the three vertical dots on the bottom right corner of the album and selects “Shuffle,” all of the tracks associated with the selected album name are added to the queue.

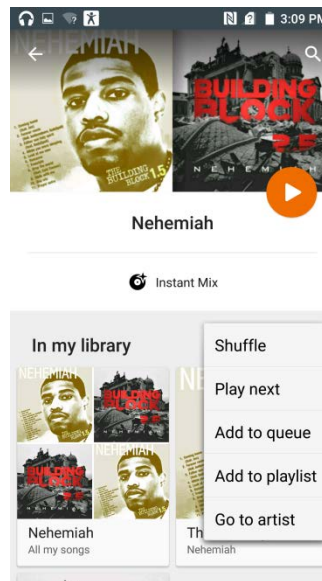


Fig. 93 – After tapping the three vertical dots on the bottom right corner of the album “The Building Block 1.5,” the user is presented with multiple options including “Shuffle.”

'433 Claims

ZTE Axon Pro

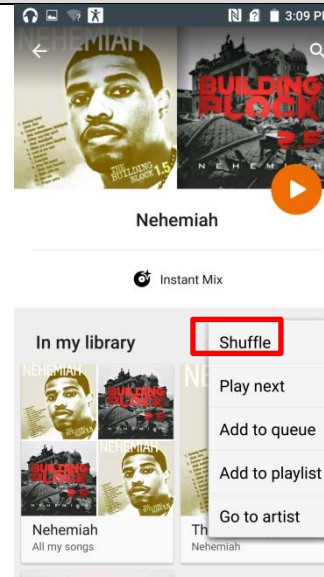
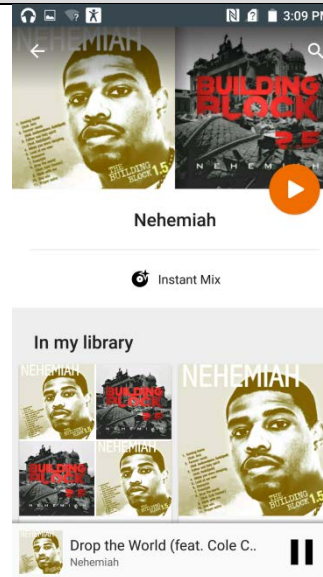


Fig. 94 – “Shuffle” is selected.

'433 Claims

ZTE Axon Pro



Track begins to play.

Fig. 95 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

'433 Claims

ZTE Axon Pro

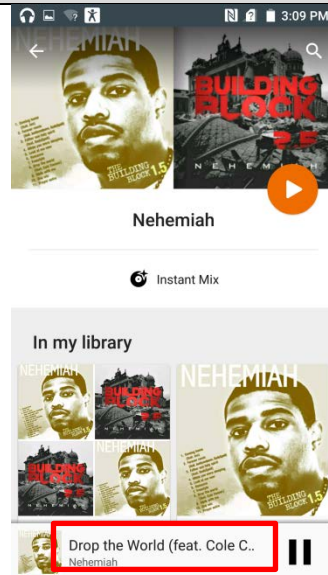
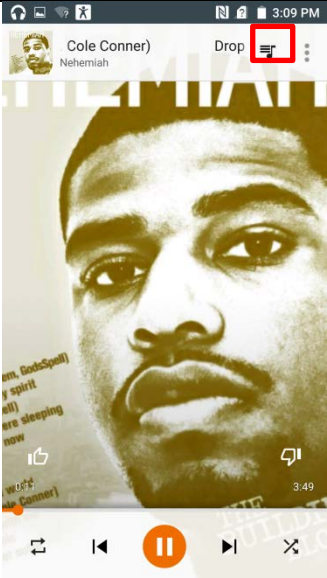
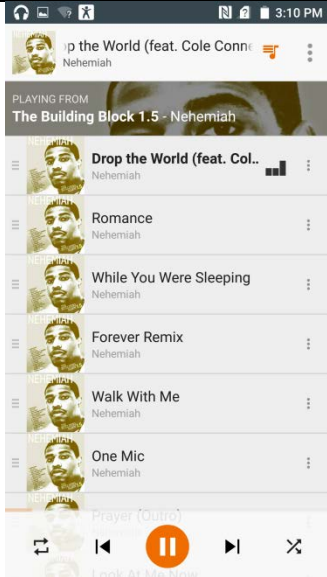


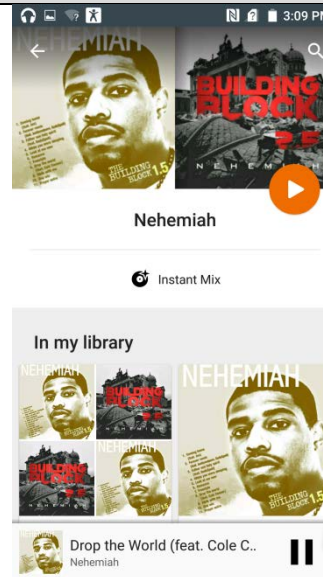
Fig. 96 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 97 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | ZTE Axon Pro |
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| |  <p>Fig. 98 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>28. The method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The ZTE Axon Pro is operable to perform the method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 27.</p> |

'433 Claims

ZTE Axon Pro



Track begins to play.

Fig. 99 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

'433 Claims

ZTE Axon Pro

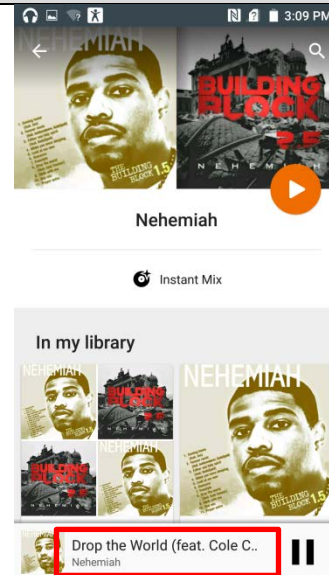


Fig. 100 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

ZTE Axon Pro

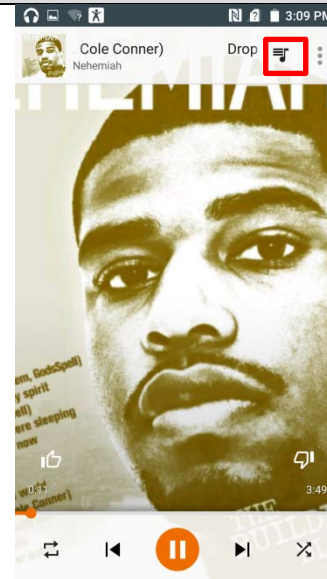


Fig. 101 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

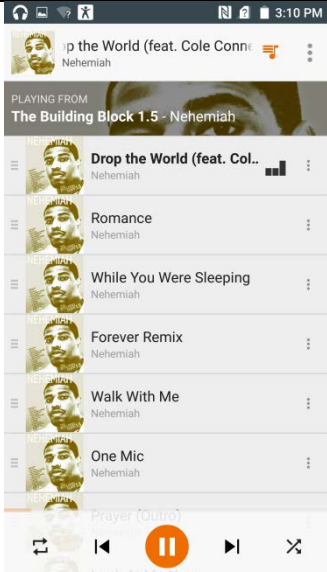
| '433 Claims | ZTE Axon Pro |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 102 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |

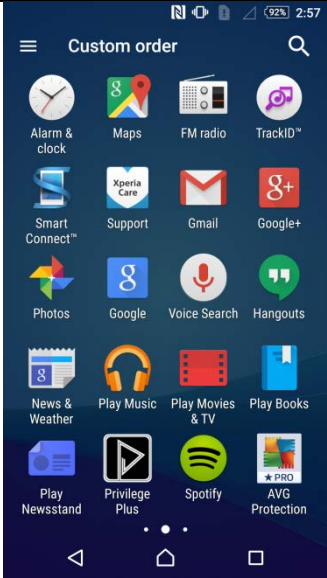
EXHIBIT 5

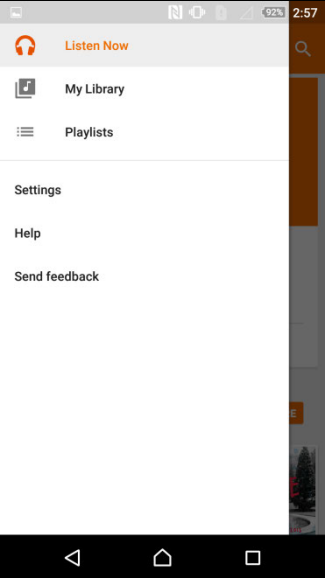
EXHIBIT 5

CLAIM CHART DEMONSTRATING SONY’S PRACTICE OF U.S. PATENT NO. 6,928,433

The Sony Xperia Z3+ is imported and sold with the Android operating system and the Google Play Music application (Version 5.9.1854R.1904527) pre-installed. All of the accused Sony devices that are imported and sold with the Android operating system and the Google Play Music application pre-installed infringe the claims of U.S. Patent No. 6,928,433 set forth below.

| ’433 Claims | Sony Xperia Z3+ |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. A method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy, the method comprising:</p> | <p>[NOT ASSERTED – CHARTED FOR PURPOSES OF DEPENDENT CLAIMS]</p> <p>To the extent that the preamble is construed to be a limitation to the claim, the Sony Xperia Z3+ is operable to perform a method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy.</p> <p>The Sony Xperia Z3+ is imported and sold with the Google Play Music application pre-installed, which is operable to access the plurality of tracks according to a hierarchy. The Sony Xperia Z3+ is configured to present sequentially a first display screen (showing categories such as “Albums,” “Artists,” and “Genres”); a second display screen (depending on the selected category, showing a listing of subcategories such as albums, artists, or genres represented in the music tracks stored on the Sony Xperia Z3+); and a third display screen (showing a listing of tracks corresponding to the selection made on the second display screen).</p> <p>The following three screenshots demonstrate a navigation through a first, second, and third display screens respectively.</p> |

| '433 Claims | Sony Xperia Z3+ |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 1 – Selecting the “Play Music” icon launches the preinstalled “Play Music” application.</p> |

| '433 Claims | Sony Xperia Z3+ |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 2 – The music app has two modes: “Listen Now” and “My Library.” The “My Library” mode permits a user to navigate through music stored on the device.</p> |

'433 Claims

Sony Xperia Z3+

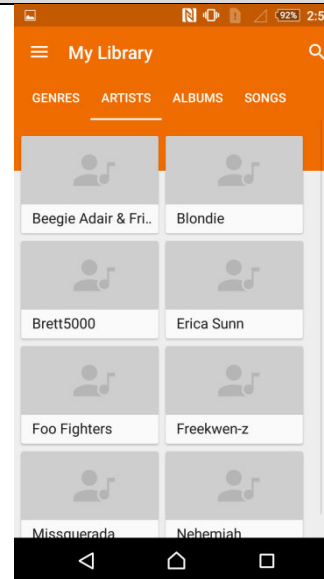
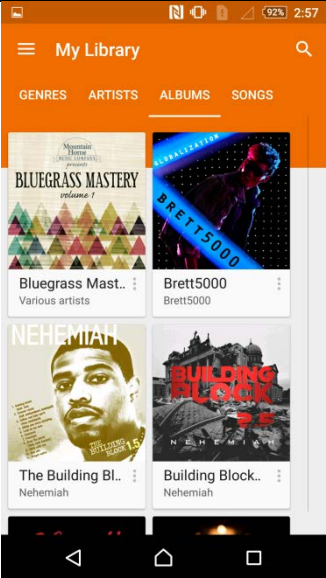
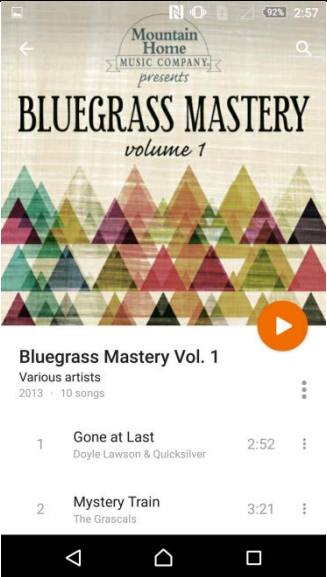
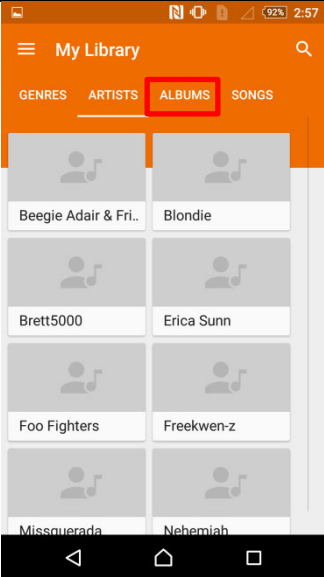
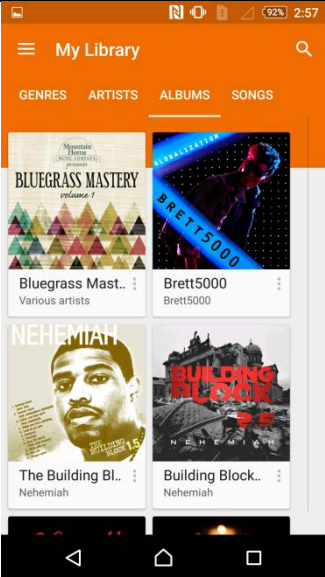


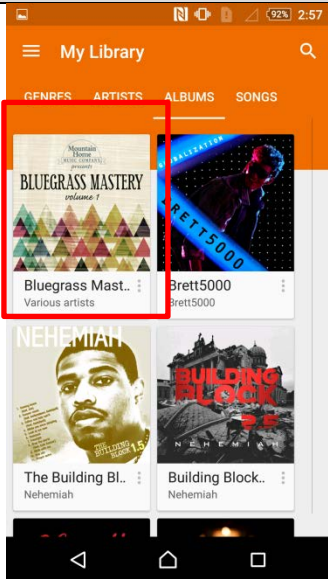
Fig. 3 – After selecting “My Library,” the first display screen displays categories, including “Albums,” “Artists,” and “Genres.”

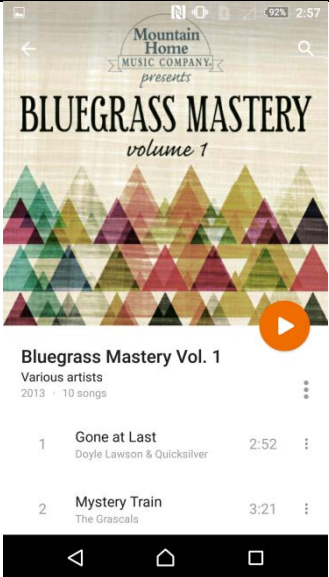
| '433 Claims | Sony Xperia Z3+ |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 4 – After selecting “Albums,” the second display screen displays albums stored on the device.</p> |

| '433 Claims | Sony Xperia Z3+ |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 5 – After selecting an album, the third display screen displays tracks stored on the device associated with the selected album.</p> |
| <p>(a) selecting a category in the first display screen of the portable media player;</p> | <p>The Sony Xperia Z3+ is operable to perform the step of selecting a category in the first display screen of the portable media player.</p> <p>The pre-installed Play Music application on the Sony Xperia Z3+ allows a user to select a category in the first display screen. The category options include “Genres,” “Artists,” “Albums,” and “Songs.”</p> |

| '433 Claims | Sony Xperia Z3+ |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the 'My Library' screen of the Play Music app. At the top, there are four tabs: 'GENRES', 'ARTISTS', 'ALBUMS', and 'SONGS'. The 'ALBUMS' tab is highlighted with a red box. Below the tabs, there is a grid of album covers. The visible album names are: Beegie Adair & Fri., Blondie, Brett5000, Erica Sunn, Foo Fighters, Freekwen-z, Missquerada, and Nehemiah. The bottom of the screen shows the Android navigation bar with back, home, and recent apps buttons.</p> <p>Fig. 6 – In this example, the category “Albums” is selected.</p> |
| <p>(b) displaying the subcategories belonging to the selected category in a listing presented in the second display screen;</p> | <p>The Sony Xperia Z3+ is operable to perform the step of displaying the subcategories belonging to the selected category in a listing presented in the second display screen.</p> <p>The pre-installed Play Music application on the Sony Xperia Z3+ displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Albums” category in the first display screen, the Music application displays a second display screen containing album names.</p> |

| '433 Claims | Sony Xperia Z3+ |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 7 – After selecting “Albums,” the second display screen displays albums stored on the device.</p> |
| <p>(c) selecting a subcategory in the second display screen;</p> | <p>The Sony Xperia Z3+ is operable to perform the step of selecting a subcategory in the second display screen.</p> <p>The pre-installed Play Music application on the Sony Xperia Z3+ allows a user to select a subcategory in the second display screen. For example, if the user selected the “Albums” category in the first display screen, a user can select an album from the albums displayed on the second display screen.</p> |

| '433 Claims | Sony Xperia Z3+ |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 8 – In this example, the album “Bluegrass Mastery Vol. 1” is selected from this list of albums.</p> |
| <p>(d) displaying the items belonging to the selected subcategory in a listing presented in the third display screen; and</p> | <p>The Sony Xperia Z3+ is operable to perform the step of displaying the items belonging to the selected subcategory in a listing presented in the third display screen.</p> <p>The pre-installed Play Music application on the Sony Xperia Z3+ displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Bluegrass Mastery Vol. 1” album in the second display screen, the Music application displays a third display screen containing the music tracks stored on the Sony Xperia Z3+ belonging to the selected album.</p> |

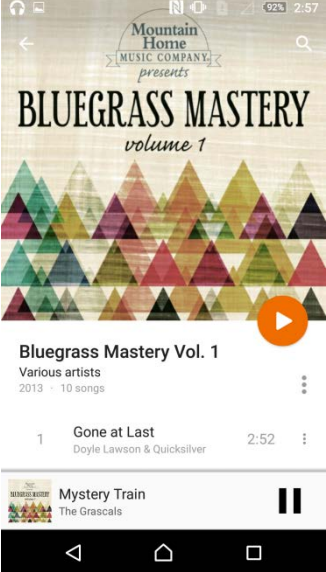
| '433 Claims | Sony Xperia Z3+ |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the Play Music application interface on a Sony Xperia Z3+. At the top, the status bar displays signal strength, Wi-Fi, battery at 92%, and time 2:57. The main content area features the album cover for 'Bluegrass Mastery volume 1' by Mountain Home Music Company. Below the cover is a play button and the album title 'Bluegrass Mastery Vol. 1' by 'Various artists' (2013, 10 songs). A track list is visible below, showing two tracks: '1 Gone at Last' by Doyle Lawson & Quicksilver (2:52) and '2 Mystery Train' by The Grascals (3:21). The bottom navigation bar shows back, home, and recent apps icons.</p> <p>Fig. 9 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.</p> |
| <p>(e) accessing at least one track based on a selection made in one of the display screens.</p> | <p>The Sony Xperia Z3+ is operable to perform the step of accessing at least one track based on a selection made in one of the display screens.</p> <p>The pre-installed Play Music application on the Sony Xperia Z3+ will access a track, for example playing a track based on a selection made in one of the display screens. For example, when the user selects the track “Mystery Train” on the third display screen, the “Mystery Train” track begins playing.</p> |

'433 Claims

Sony Xperia Z3+



Fig. 10 – Selecting the “Mystery Train” track results in playing the selected track.

| '433 Claims | Sony Xperia Z3+ |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 11 – Once selected, the track “Mystery Train” begins playing.</p> |
| <p>2. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> | <p>The Sony Xperia Z3+ is operable to perform the step of accessing at least one track by selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the Sony Xperia Z3+ is operable to play a plurality of tracks associated with the selected category. For example, the Sony Xperia Z3+ allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The Sony Xperia Z3+ then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of songs that is currently being played. The tracks added to the active queue list of songs that is currently being played will play sequentially.</p> <p>See discussion for claim 1.</p> |

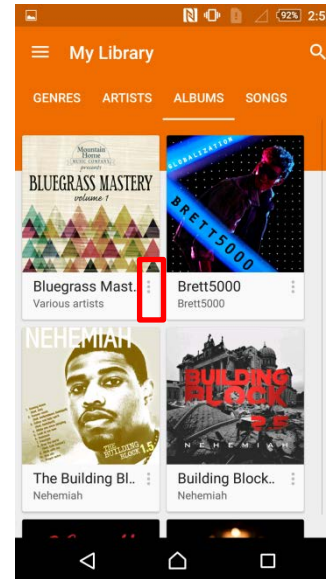


Fig. 12 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

'433 Claims

Sony Xperia Z3+

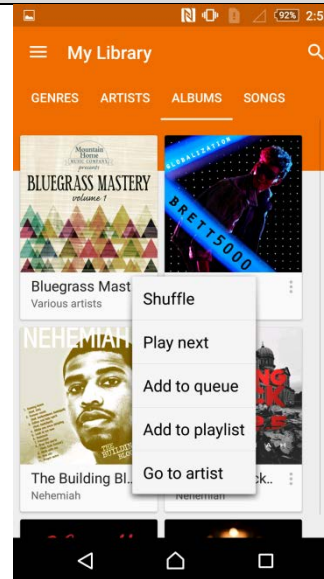


Fig. 13 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Sony Xperia Z3+

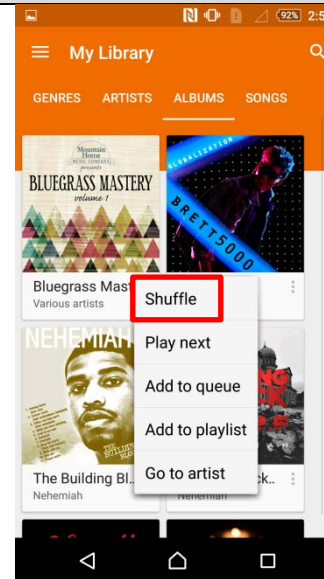
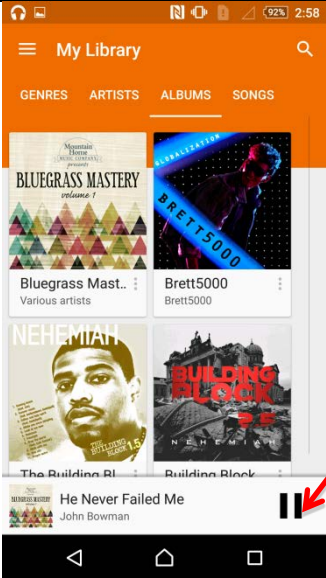


Fig. 14 – “Shuffle” is selected.

| '433 Claims | Sony Xperia Z3+ |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the 'My Library' screen of a music application on a Sony Xperia Z3+ phone. The screen displays a grid of album covers under the 'ALBUMS' tab. The first album is 'Bluegrass Mastery' by Various artists. Below the album covers, a track titled 'He Never Failed Me' by John Bowman is shown in a player interface with a pause button. A red arrow points from a text box to the pause button.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p>Track begins to play.</p> </div> |
| <p>Fig. 15 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> | |

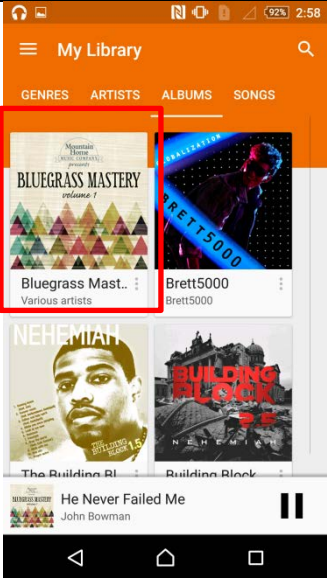
| '433 Claims | Sony Xperia Z3+ |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the Sony Music application interface on a Sony Xperia Z3+ smartphone. The top navigation bar is orange and labeled 'My Library'. Below it are tabs for 'GENRES', 'ARTISTS', 'ALBUMS', and 'SONGS'. The main display area shows a grid of album covers. The first album cover, 'Bluegrass Mastery Volume 1' by Various artists, is highlighted with a red rectangular box. Other visible album covers include 'Brett5000', 'NEHEMIAN', and 'BUILDING BLOCKS'. At the bottom, a music player interface is visible, showing the song 'He Never Failed Me' by John Bowman with a play/pause button.</p> |

Fig. 16 – The same album is then tapped.

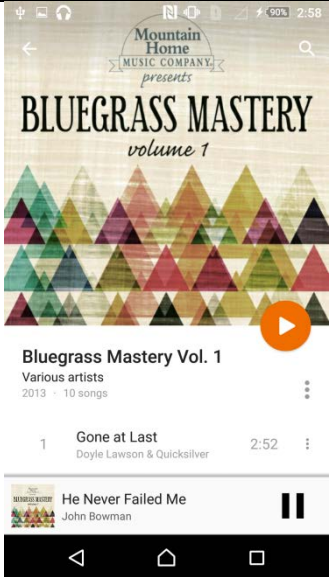
| '433 Claims | Sony Xperia Z3+ |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the Sony Xperia Z3+ interface for the album 'Bluegrass Mastery Vol. 1'. The album cover features a colorful mountain range graphic. Below the cover, the album title 'Bluegrass Mastery Vol. 1' is displayed, along with 'Various artists' and '2013 · 10 songs'. The track list includes 'Gone at Last' by Doyle Lawson & Quicksilver (2:52) and 'He Never Failed Me' by John Bowman. The current track 'He Never Failed Me' is shown with a play button and a pause button.</p> |

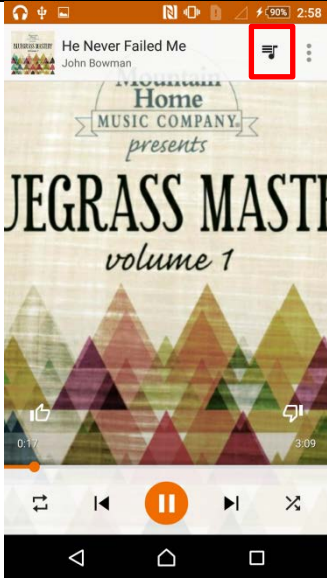
Fig. 17 – The third display screen displays the tracks from the album.

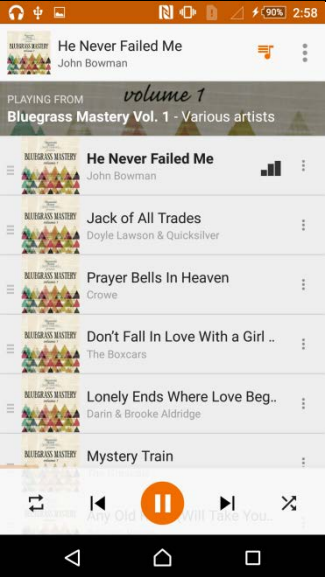
'433 Claims

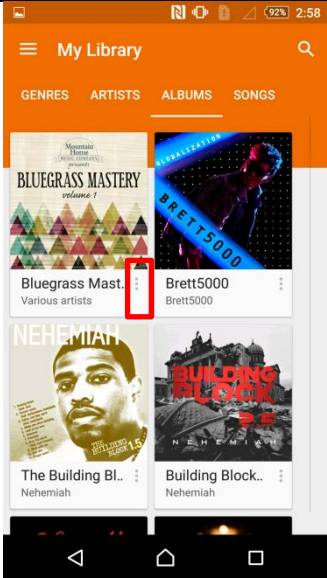
Sony Xperia Z3+



Fig. 18 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Sony Xperia Z3+ |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 19 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Sony Xperia Z3+ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows a music player interface on a Sony Xperia Z3+ device. At the top, the status bar shows 90% battery and 2:58. The main screen displays the album 'Bluegrass Mastery Vol. 1' by Various artists. The current track is 'He Never Failed Me' by John Bowman. Below the album art, a queue of tracks is visible: 'He Never Failed Me', 'Jack of All Trades', 'Prayer Bells In Heaven', 'Don't Fall In Love With a Girl ..', 'Lonely Ends Where Love Beg..', and 'Mystery Train'. The bottom of the screen shows standard Android navigation buttons.</p> <p>Fig. 20 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>3. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> | <p>The Sony Xperia Z3+ is operable to perform the step of accessing at least one track by selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the Sony Xperia Z3+ is operable to add a plurality of tracks associated with the selected category to a playlist. For example, the Sony Xperia Z3+ allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The Sony Xperia Z3+ then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of currently playing music.</p> <p>See discussion for claims 1 and 2.</p> |

| '433 Claims | Sony Xperia Z3+ |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 21 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”</p> |

'433 Claims

Sony Xperia Z3+

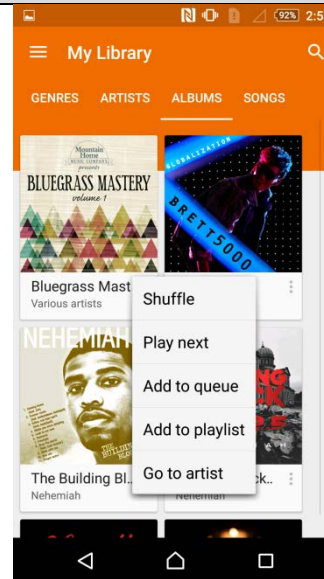


Fig. 22 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Sony Xperia Z3+

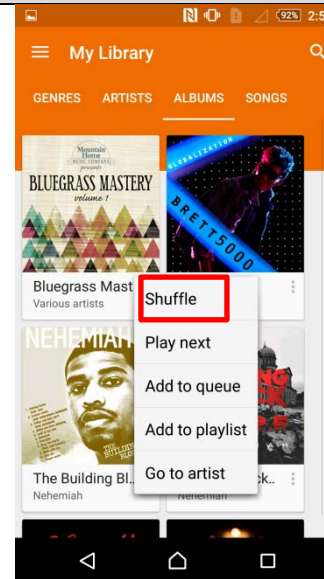
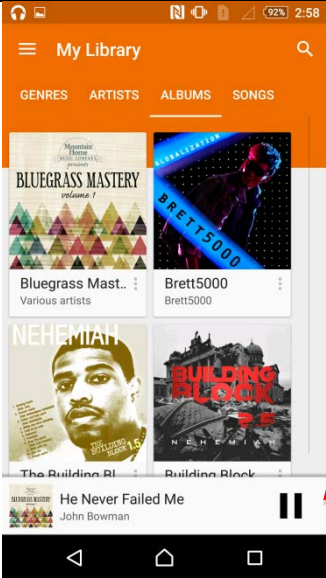
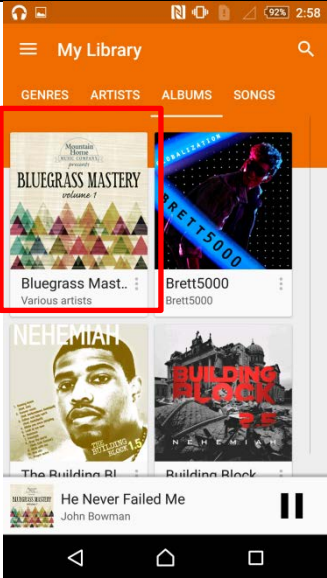


Fig. 23 – “Shuffle” is selected.

| '433 Claims | Sony Xperia Z3+ |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the 'My Library' section of the Sony Music app. It displays a grid of album covers including 'Bluegrass Mastery', 'Brett5000', 'NEHEMIAN', and 'The Building Blocks'. At the bottom, a track titled 'He Never Failed Me' by John Bowman is shown as the current track playing, with a pause button visible. A red arrow points from a text box to the pause button.</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;"> Track begins to play. </div> |
| <p>Fig. 24 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> | |

| '433 Claims | Sony Xperia Z3+ |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the 'My Library' screen of a music application. At the top, there are navigation tabs for 'GENRES', 'ARTISTS', 'ALBUMS', and 'SONGS'. Below these, several album covers are displayed in a grid. A red rectangular box highlights the album cover for 'Bluegrass Mastery' by 'Various artists'. Other visible covers include 'Brett5000', 'NEHEMIAN', and 'BUILDING BLOCKS'. At the bottom of the screen, a music player interface is visible, showing the song 'He Never Failed Me' by John Bowman.</p> |
| | <p>Fig. 25 – The same album is then tapped.</p> |


| '433 Claims | Sony Xperia Z3+ |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows a music application interface on a Sony Xperia Z3+ smartphone. At the top, the status bar displays signal strength, Wi-Fi, battery at 90%, and time 2:58. The main content area features the album cover for 'Bluegrass Mastery volume 1' by Mountain Home Music Company. Below the cover is a play button. The album title 'Bluegrass Mastery Vol. 1' and 'Various artists' are displayed, along with '2013 · 10 songs'. A track list shows '1 Gone at Last' by Doyle Lawson & Quicksilver with a duration of 2:52. The current track 'He Never Failed Me' by John Bowman is shown at the bottom with a pause button. The Android navigation bar is visible at the very bottom.</p> |

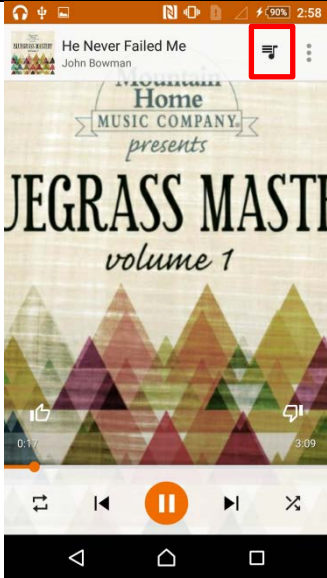
Fig. 26 – The third display screen displays the tracks from the album.

'433 Claims

Sony Xperia Z3+



Fig. 27 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Sony Xperia Z3+ |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 28 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

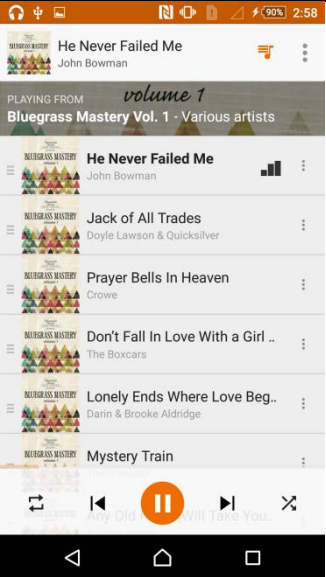
| '433 Claims | Sony Xperia Z3+ |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the Sony Xperia Z3+ music player interface. At the top, the status bar displays the time as 2:58 and 90% battery. The main screen shows the album 'Bluegrass Mastery Vol. 1' by Various artists. The current track is 'He Never Failed Me' by John Bowman. Below the album cover, a list of tracks is displayed in a queue: 'He Never Failed Me', 'Jack of All Trades', 'Prayer Bells In Heaven', 'Don't Fall In Love With a Girl ..', 'Lonely Ends Where Love Beg..', and 'Mystery Train'. The bottom of the screen features a playback control bar with a play button, previous, next, and shuffle icons.</p> <p>Fig. 29 – The queue shows that all of the tracks from the album have been added to the queue.</p> |
| <p>5. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> | <p>The Sony Xperia Z3+ is operable to perform the step of accessing at least one track by selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the Sony Xperia Z3+ is operable to add a track associated with the selected subcategory to a playlist. For example, the Sony Xperia Z3+ allows a user to select an album from the second display screen, and then from the third display screen the Sony Xperia Z3+ allows a user to select a track from that album resulting in all of the tracks from the album being added to the queue.</p> <p>See discussion for claim 1.</p> |



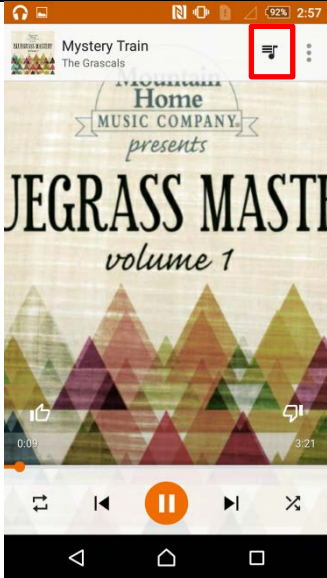
Fig. 30 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.

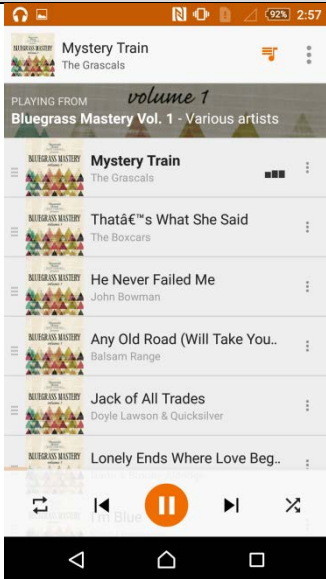
'433 Claims

Sony Xperia Z3+



Fig. 31 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 32 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows a music player interface on a Sony Xperia Z3+ device. At the top, the status bar displays the time as 2:57 and battery level at 92%. The music player is currently playing 'Mystery Train' by The Grascals. Below the current track, a playlist titled 'Bluegrass Mastery Vol. 1 - Various artists' is shown, containing several tracks including 'Mystery Train', 'That's What She Said', 'He Never Failed Me', 'Any Old Road (Will Take You..)', 'Jack of All Trades', and 'Lonely Ends Where Love Beg..'. The interface includes standard playback controls like play/pause, previous, next, and shuffle buttons.</p> <p>Fig. 33 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>7. The method of selecting a track as recited in claim 1 wherein the accessing at least one track is made after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> | <p>The Sony Xperia Z3+ is operable to perform the step of accessing at least one track after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> <p>See discussion for claims 1 and 2.</p> <p>The Sony Xperia Z3+ allows a user to, instead of (or in addition to) selecting a track on the third display screen, select the back arrow at the top left of the third display screen. The Sony Xperia Z3+ then displays the second display screen again. From the second display screen, the Sony Xperia Z3+ allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The Sony Xperia Z3+ then allows a user to then tap the “Shuffle” button to</p> |

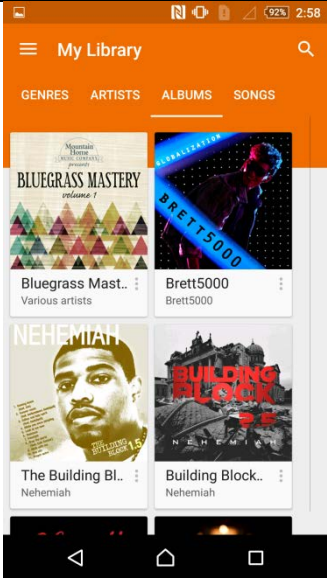
'433 Claims

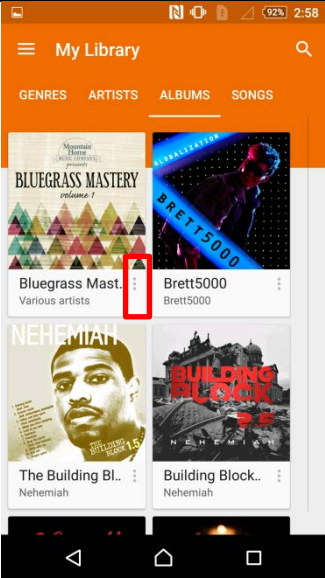
Sony Xperia Z3+

add the tracks of that album in a random order to the active queue list of currently playing music.



Fig. 34 – On the third display screen, the arrow in the top left of the screen is selected.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 35 – The second display screen is then displayed again.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 36 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”</p> |

'433 Claims

Sony Xperia Z3+

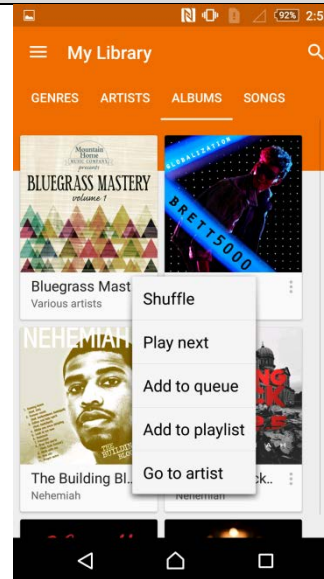


Fig. 37 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Sony Xperia Z3+

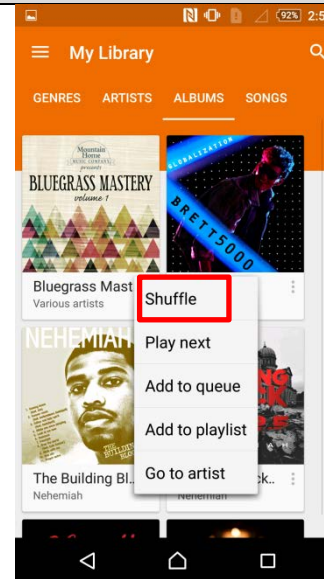
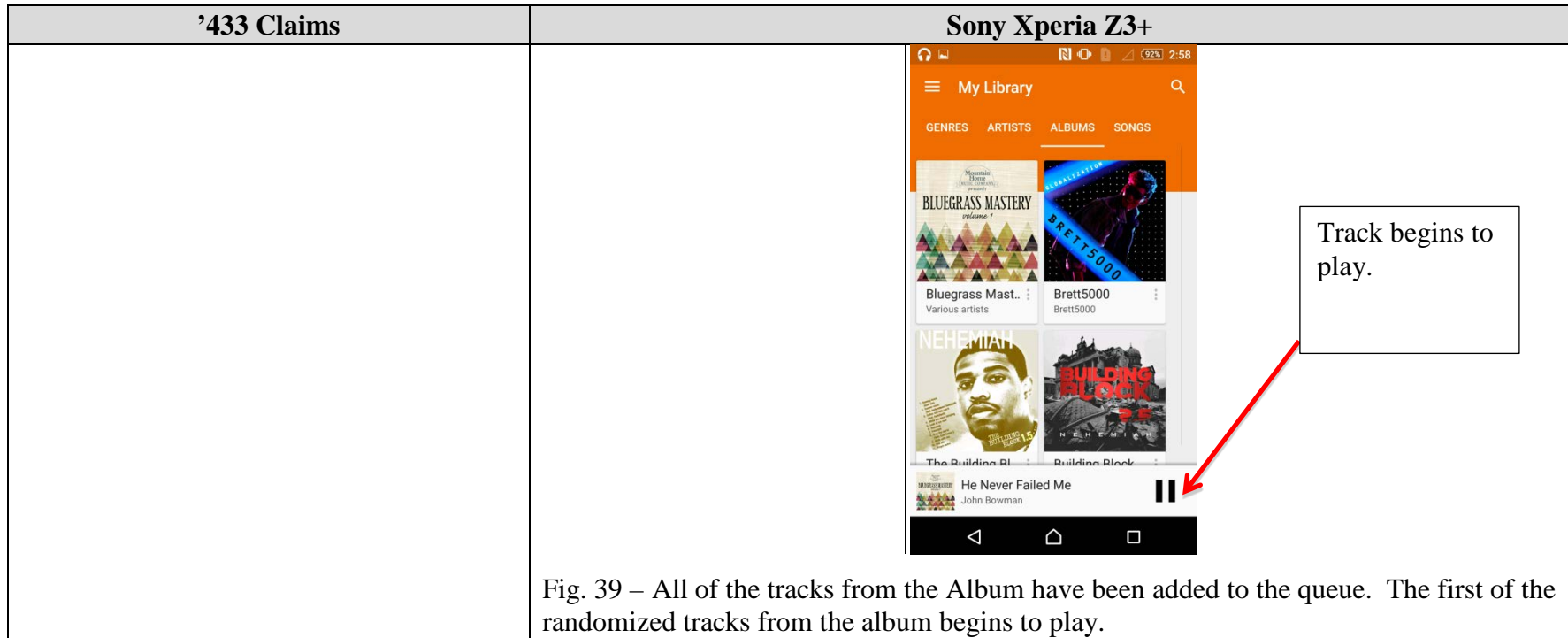


Fig. 38 – “Shuffle” is selected.



'433 Claims

Sony Xperia Z3+

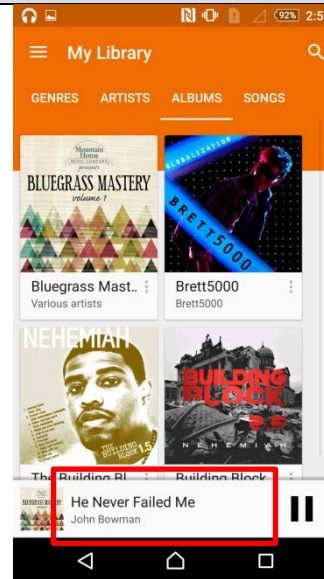
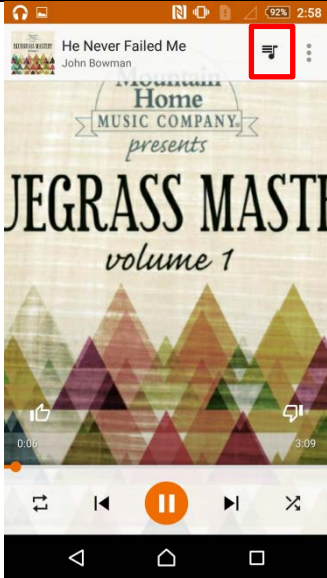
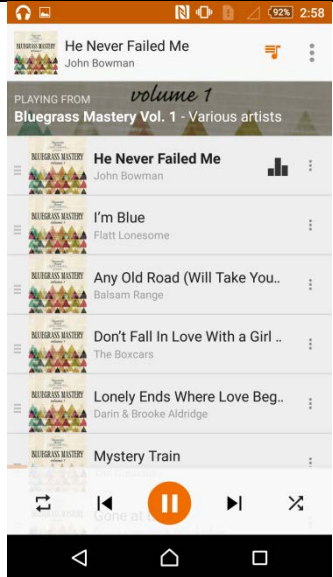
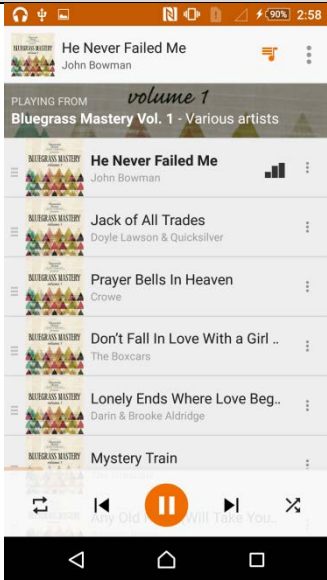
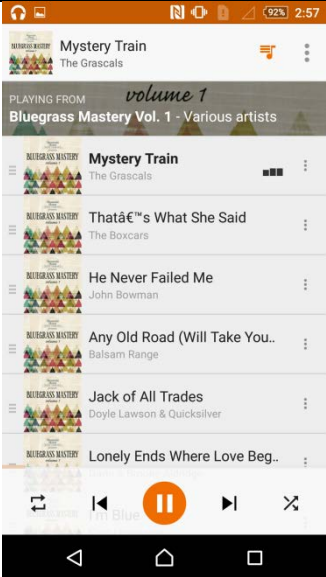


Fig. 40 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 41 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows a music player interface on a Sony Xperia Z3+ device. At the top, the status bar displays the time as 2:58 and battery level at 92%. The main screen shows the album 'Bluegrass Mastery Vol. 1' by Various artists. The currently playing track is 'He Never Failed Me' by John Bowman. Below the album art, a queue of tracks is displayed, including 'I'm Blue' by Flatt Lonesome, 'Any Old Road (Will Take You..)' by Balsam Range, 'Don't Fall In Love With a Girl..' by The Boxcars, 'Lonely Ends Where Love Beg..' by Darin & Brooke Aldridge, and 'Mystery Train'. The bottom of the screen features standard Android navigation icons.</p> <p>Fig. 42 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>17. The method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 3.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows a music player interface on a Sony Xperia Z3+ smartphone. At the top, the status bar displays the time as 2:58 and battery level at 90%. The main screen shows a playlist titled 'PLAYING FROM volume 1 Bluegrass Mastery Vol. 1 - Various artists'. The playlist includes the following tracks: 'He Never Failed Me' by John Bowman, 'Jack of All Trades' by Doyle Lawson & Quicksilver, 'Prayer Bells In Heaven' by Crowe, 'Don't Fall In Love With a Girl ..' by The Boxcars, 'Lonely Ends Where Love Beg..' by Darin & Brooke Aldridge, and 'Mystery Train'. The current track 'He Never Failed Me' is highlighted. At the bottom, there is a playback control bar with a play/pause button, skip, and shuffle icons.</p> <p>Fig. 43 – The tracks from the selected album have been added to the active queue list of songs that is currently being played.</p> |
| <p>18. The method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 5.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows a music player interface on a Sony Xperia Z3+ device. At the top, the album 'Mystery Train' by 'The Grascals' is displayed. Below this, it indicates 'PLAYING FROM volume 1 Bluegrass Mastery Vol. 1 - Various artists'. A list of tracks is shown, including 'Mystery Train', 'Thata€™s What She Said', 'He Never Failed Me', 'Any Old Road (Will Take You..', 'Jack of All Trades', and 'Lonely Ends Where Love Beg..'. The bottom of the screen features playback controls: a shuffle button, a previous track button, a play/pause button (which is currently active), a next track button, and a full-screen button.</p> <p>Fig. 44 – All of the tracks associated with the “Bluegrass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.</p> |
| <p>19. The method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> <p>See claim 5.</p> |

'433 Claims

Sony Xperia Z3+

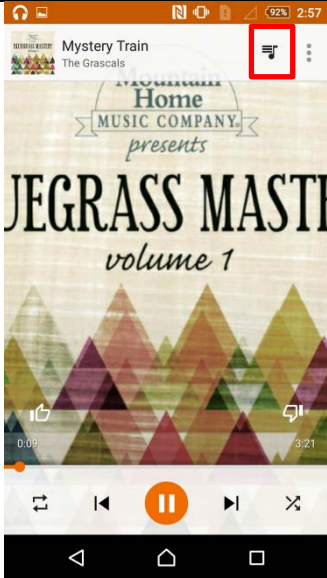


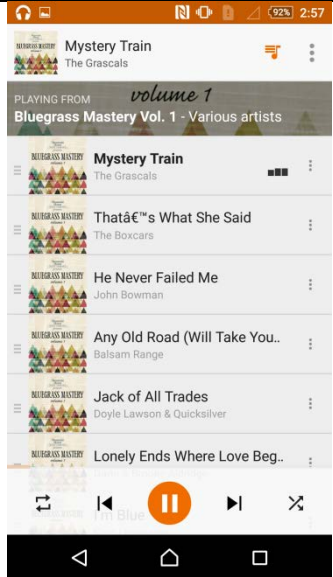
Fig. 45 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.

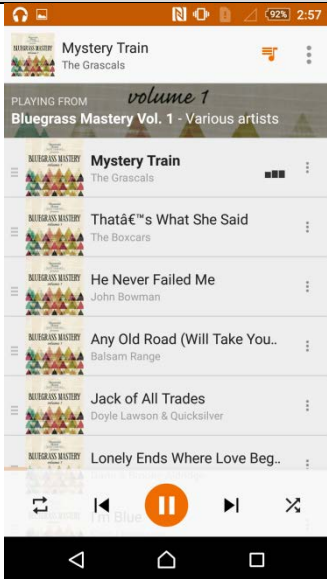


Track begins to play.

Fig. 46 – Once selected, the track “Mystery Train” begins playing from the queue. All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 47 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows a music player interface on a Sony Xperia Z3+ device. At the top, the status bar displays the time as 2:57 and battery level at 92%. The main screen shows the album 'Mystery Train' by The Grascals. Below the album art, it indicates 'PLAYING FROM volume 1 Bluegrass Mastery Vol. 1 - Various artists'. A queue of tracks is displayed, including 'Mystery Train', 'That's What She Said', 'He Never Failed Me', 'Any Old Road (Will Take You..)', 'Jack of All Trades', and 'Lonely Ends Where Love Beg..'. The current track 'Mystery Train' is highlighted with a progress bar. At the bottom, there are playback controls: a play/pause button, a stop button, and a skip forward button.</p> <p>Fig. 48 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>20. The method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 19.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows a music player interface on a Sony Xperia Z3+ device. At the top, the status bar displays the time as 2:57 and battery level at 92%. The main display area shows a playlist titled 'PLAYING FROM volume 1 Bluegrass Mastery Vol. 1 - Various artists'. The playlist includes the following tracks: 'Mystery Train' by The Grascals (currently playing), 'That's What She Said' by The Boxcars, 'He Never Failed Me' by John Bowman, 'Any Old Road (Will Take You..)' by Balsam Range, 'Jack of All Trades' by Doyle Lawson & Quicksilver, and 'Lonely Ends Where Love Beg..'. The bottom of the screen features standard Android navigation icons.</p> <p>Fig. 49 – All of the tracks associated with the “Blue Grass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.</p> |
| <p>21. The method of selecting a track as recited in claim 5 where in the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> <p>See claim 5.</p> <p>For example, if on the first display screen the “Genres” category is selected and a genre is selected on the second display screen, the Sony Xperia Z3+ displays albums on the third display screen. The Sony Xperia Z3+ then allows a user to select an album name and select shuffle, which adds all of the tracks associated with the selected album name to the active queue list of songs that is currently being played.</p> |

'433 Claims

Sony Xperia Z3+

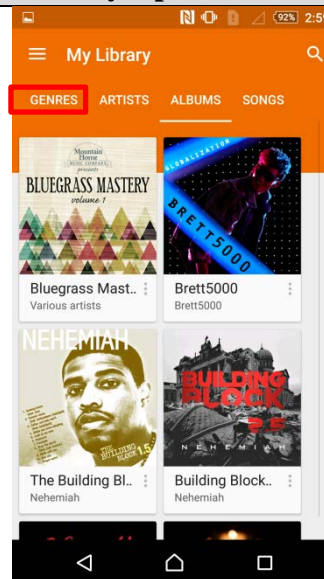


Fig. 50 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.

'433 Claims

Sony Xperia Z3+

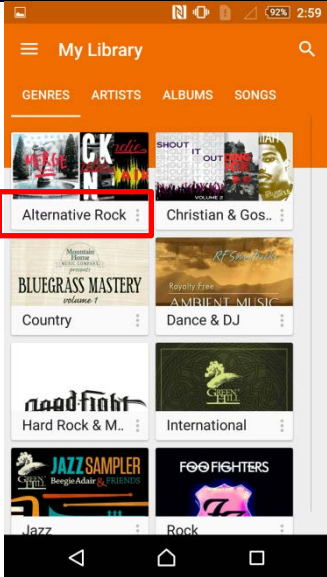


Fig. 51 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.

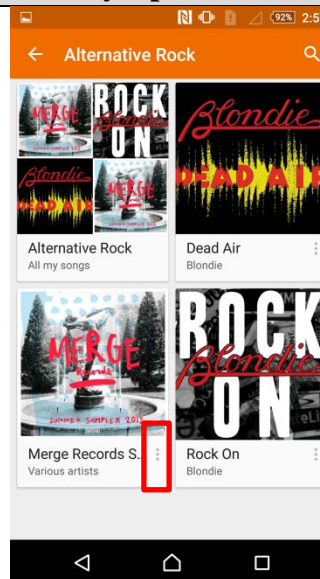


Fig. 52 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

'433 Claims

Sony Xperia Z3+

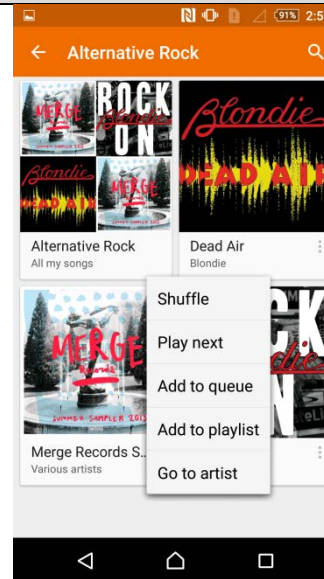


Fig. 53 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Sony Xperia Z3+

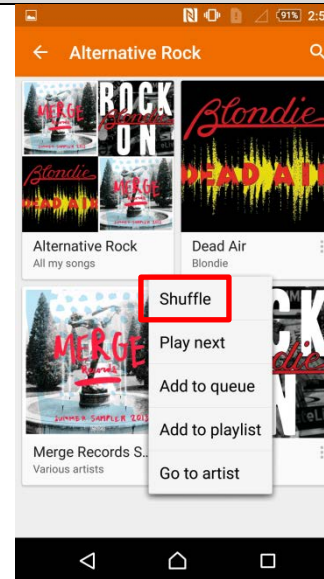
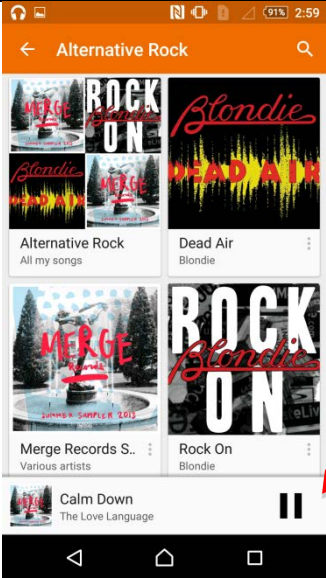


Fig. 54 – “Shuffle” is selected.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows a music application interface on a Sony Xperia Z3+ device. The top status bar displays the time as 2:59 and battery level at 91%. The app header is orange and reads 'Alternative Rock'. Below the header, a grid of album covers is visible, including 'Alternative Rock' (All my songs), 'Dead Air' (Blondie), 'Merge Records S...' (Various artists), and 'Rock On' (Blondie). At the bottom, a track titled 'Calm Down' by 'The Love Language' is shown with a play/pause button. A red arrow points from a text box to the play button.</p> <div style="border: 1px solid black; padding: 5px;"> <p>Track begins to play.</p> </div> |
| <p>Fig. 55 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> | |

'433 Claims

Sony Xperia Z3+

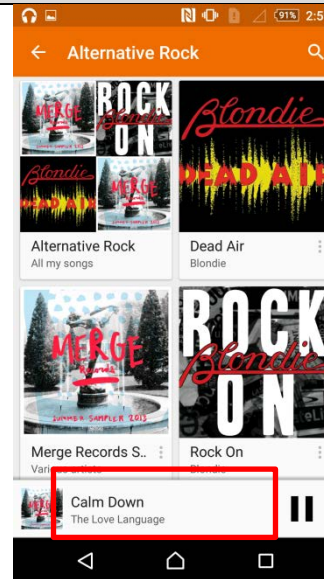

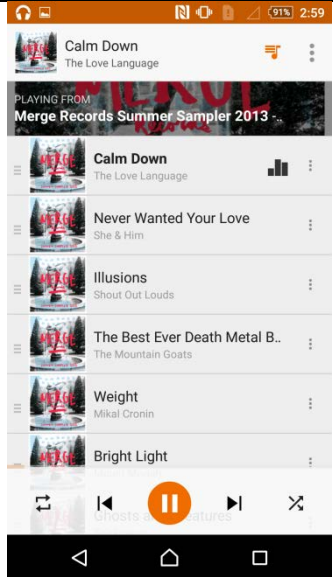


Fig. 56 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 57 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 58 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>22. The method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 21.</p> |

'433 Claims

Sony Xperia Z3+

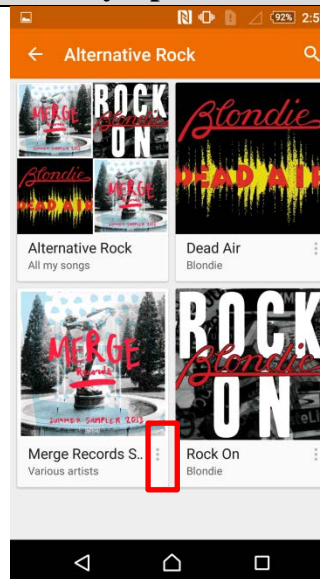


Fig. 59 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

'433 Claims

Sony Xperia Z3+

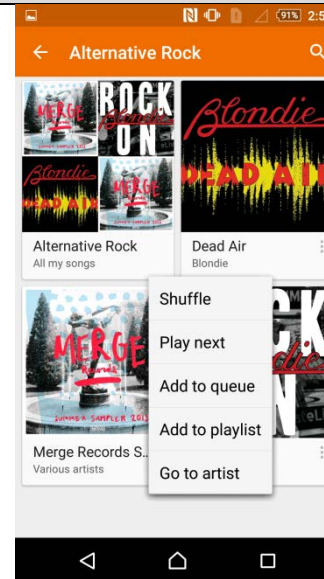


Fig. 60 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Sony Xperia Z3+

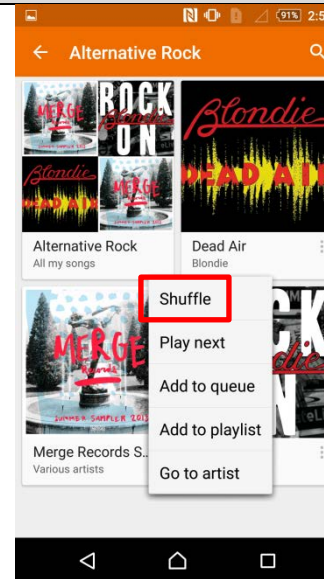
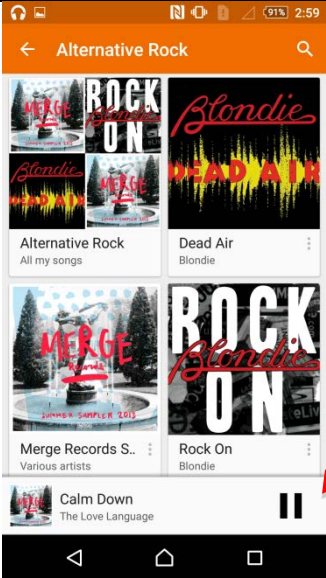


Fig. 61 – “Shuffle” is selected.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Track begins to play.</p> <p>Fig. 62 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Sony Xperia Z3+

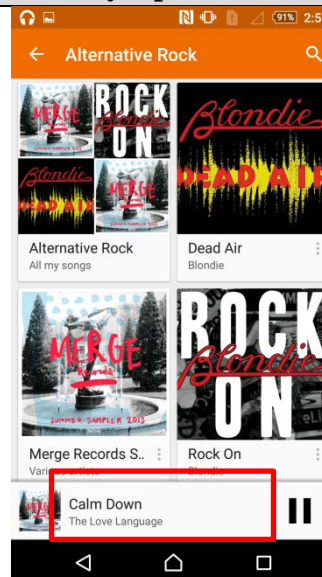

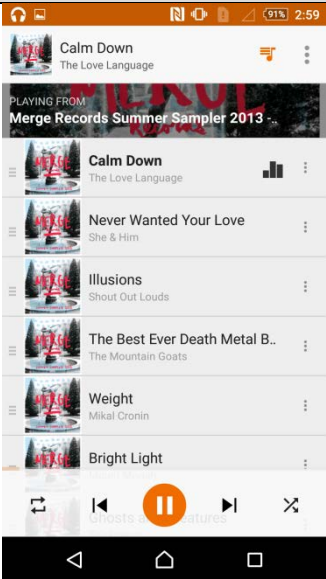
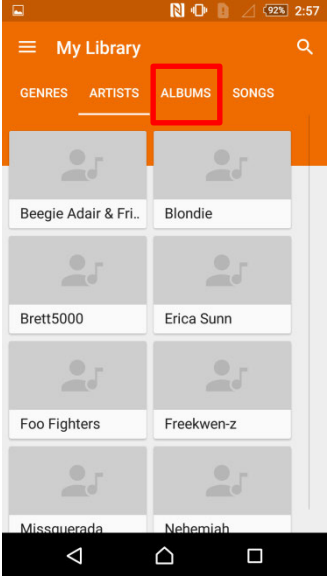
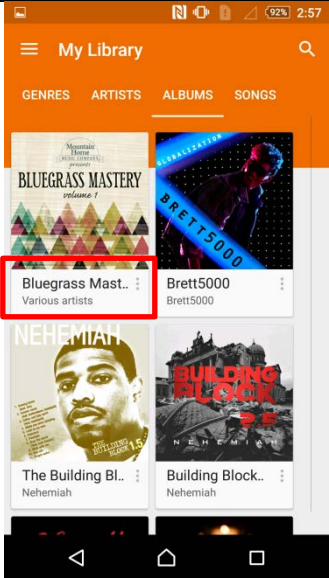


Fig. 63 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 64 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 65 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>23. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| <p>(a) the category album is selected in the first display screen from available categories that include at least artist and album;</p> | <p>The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist and album.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows the 'My Library' interface of the Sony Xperia Z3+ music application. At the top, there is a navigation bar with four tabs: 'GENRES', 'ARTISTS', 'ALBUMS', and 'SONGS'. The 'ALBUMS' tab is currently selected and highlighted with a red rectangular box. Below the navigation bar, a grid of album covers is displayed. Each cover features a grey placeholder icon of a person with a musical note. The album names listed are: 'Beegie Adair & Fri..', 'Blondie', 'Brett5000', 'Erica Sunn', 'Foo Fighters', 'Freekwen-z', 'Missquerada', and 'Nehemiah'. The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps buttons.</p> <p>Fig. 66 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Albums” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected; and</p> | <p>The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows the 'My Library' screen on a Sony Xperia Z3+ smartphone. The 'ALBUMS' tab is selected. Four album covers are visible: 'Bluegrass Mastery Vol. 1' (highlighted with a red box), 'Brett5000', 'The Building Block...' by Nehemiah, and 'Building Block...' by Nehemiah. The phone's status bar at the top shows 92% battery and 2:57. The bottom navigation bar shows the back, home, and recent apps buttons.</p> <p>Fig. 67 – After selecting “Albums,” the second display screen displays albums stored on the device. In this example, the album “Bluegrass Mastery Vol. 1” is selected.</p> |
| <p>(c) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claims 1 and 3.</p> |

'433 Claims

Sony Xperia Z3+



Fig. 68 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.

'433 Claims

Sony Xperia Z3+



Fig. 69 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.

'433 Claims

Sony Xperia Z3+



Track begins to play.

Fig. 70 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Sony Xperia Z3+



Fig. 71 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

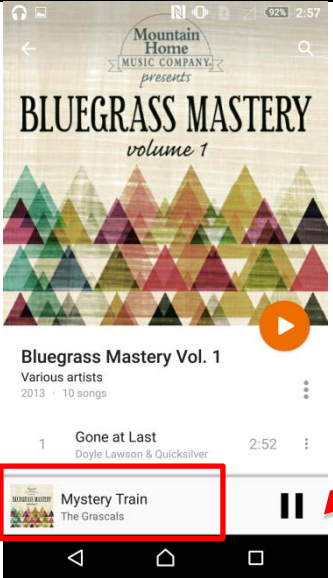
| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows a music player interface on a Sony Xperia Z3+ device. At the top, the status bar displays the time as 2:57 and 92% battery. The main screen shows the album 'Mystery Train' by The Grascals. Below the album art, it indicates 'PLAYING FROM volume 1 Bluegrass Mastery Vol. 1 - Various artists'. A queue of tracks is displayed, including 'Mystery Train', 'That's What She Said', 'He Never Failed Me', 'Any Old Road (Will Take You..)', 'Jack of All Trades', and 'Lonely Ends Where Love Beg..'. The current track 'Mystery Train' is highlighted with a progress bar. At the bottom, there are playback controls: a play/pause button, a stop button, and a skip forward button.</p> <p>Fig. 72 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>24. The method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 23.</p> |

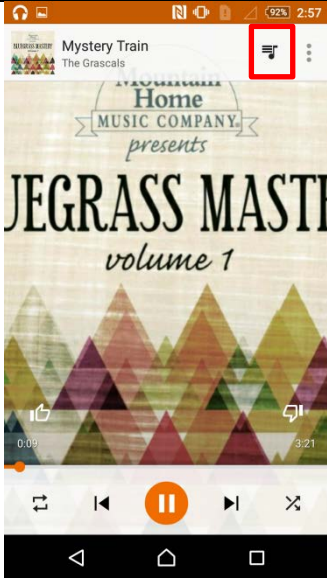
'433 Claims

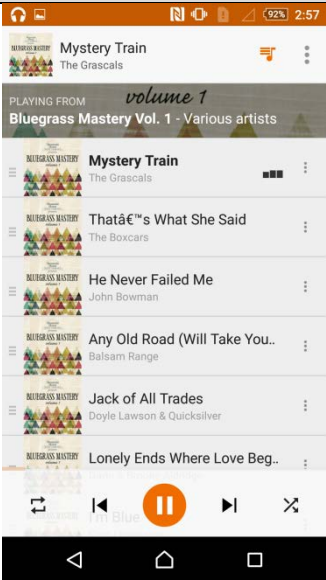
Sony Xperia Z3+

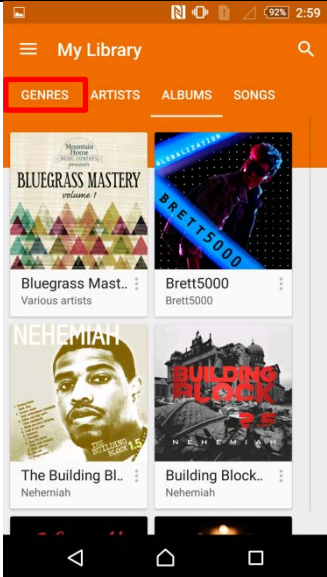


Fig. 73 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Track begins to play.</p> <p>Fig. 74 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 75 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 76 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| 25. The method of selecting a track as recited in claim 1 wherein: | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| (a) the category genre is selected in the first display screen from available categories that include at least artist, album, and genre; | <p>The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist, album, and genre.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 77 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of a plurality of genre types, and one of one genre types is selected;</p> | <p>The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Sony Xperia Z3+ displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Genres” category in the first display screen, the Music application displays a second display screen containing genre types. The pre-installed Play Music application on the Sony Xperia Z3+ then allows a user to select a subcategory in the second display screen, such as “Alternative Rock.”</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 78 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.</p> |
| <p>(c) the items displayed in the third display screen comprise a listing of a plurality of album names associated with the selected genre type, and one of the album names is selected; and</p> | <p>The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected genre type and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Sony Xperia Z3+ displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Alternative Rock” genre in the second display screen, the Music application displays a third display screen containing the album names stored on the Sony Xperia Z3+</p> |

| '433 Claims | Sony Xperia Z3+ |
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| | <p>belonging to the selected genre. The pre-installed Play Music application on the Sony Xperia Z3+ then allows a user to select an item in the third display screen, such as the album name “Merge Records Summer Sampler 2013.”</p> <div> </div> <p>Fig. 79 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.</p> |
| <p>(d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Sony Xperia Z3+ is allows a user to</p> |

'433 Claims

Sony Xperia Z3+

select an album name from the third screen and add a plurality of tracks associated with the album name to a playlist. For example, when the user selects the album “Merge Records Summer Sampler 2013” by tapping on the three vertical dots on the bottom right corner of the album and selects “Shuffle,” all of the tracks associated with the selected album name are added to the queue.

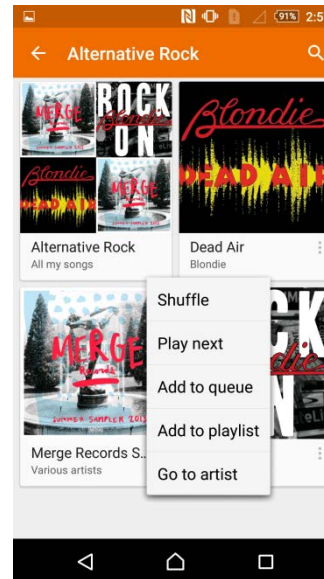


Fig. 80 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Sony Xperia Z3+

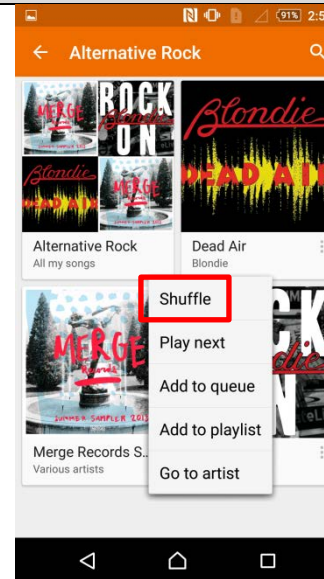
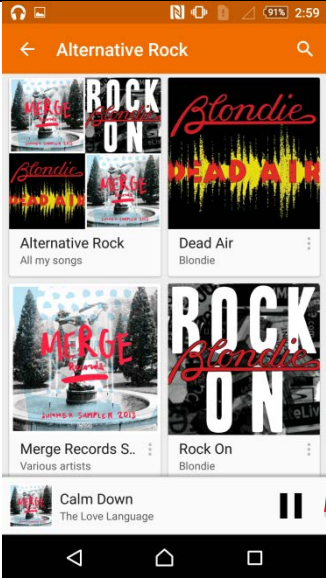


Fig. 81 – “Shuffle” is selected.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Track begins to play.</p> <p>Fig. 82 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Sony Xperia Z3+

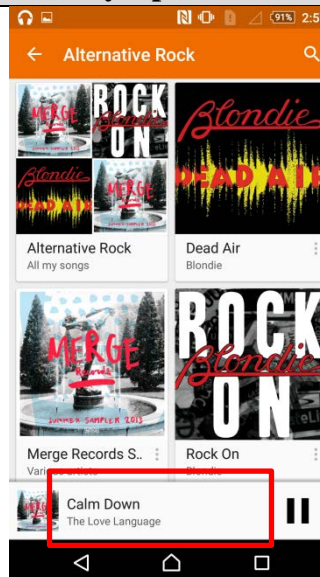

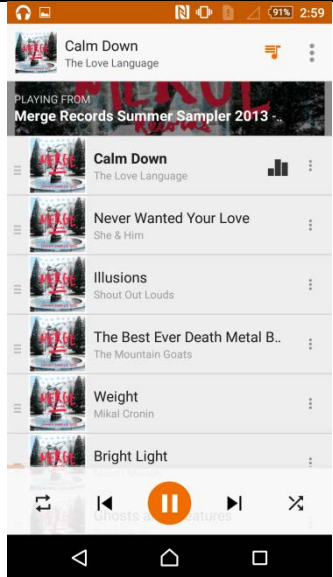
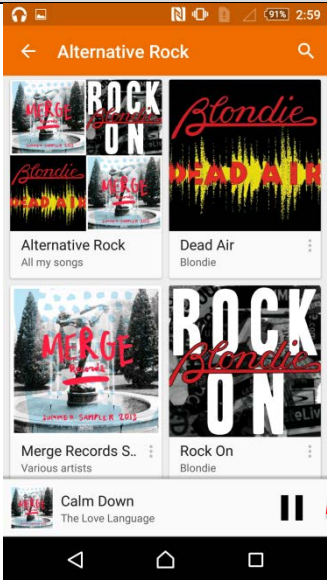


Fig. 83 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 84 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Sony Xperia Z3+ |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 85 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>26. The method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 25.</p> |

| '433 Claims | Sony Xperia Z3+ |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Track begins to play.</p> <p>Fig. 86 – After selecting “Shuffle,” all of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Sony Xperia Z3+

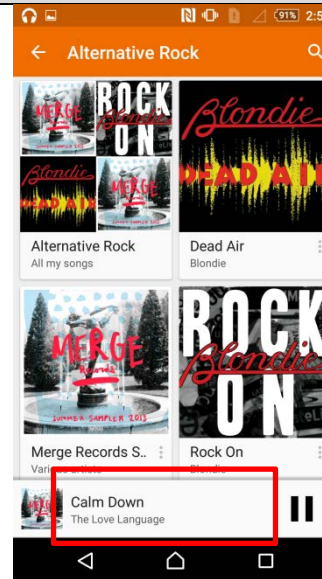


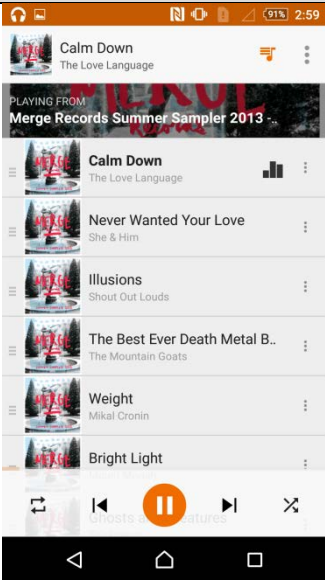
Fig. 87 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

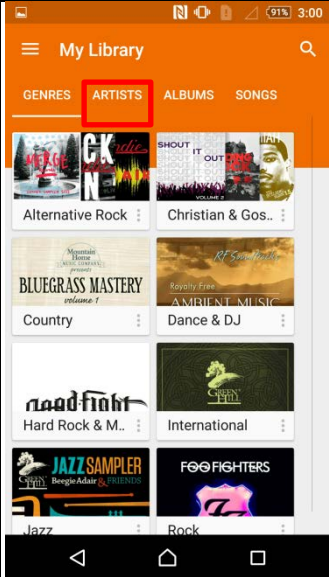
'433 Claims

Sony Xperia Z3+



Fig. 88 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 89 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>27. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| <p>(a) the category artist is selected in the first display screen from available categories that include at least artist, album, and genre;</p> | <p>The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the category artist is selected in the first display screen from available categories that include at least artist, album, and genre.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Fig. 90 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Artists” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of artist names, and one of the listed artist names is selected;</p> | <p>The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of artist names and one of the artist names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Sony Xperia Z3+ displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Artists” category in the first display screen, the Music application displays a second display screen containing artist names. The pre-installed Play Music application on the Sony Xperia Z3+ then allows a user to select a subcategory in the second display screen, such as “Nehemiah.”</p> |

| | |
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| '433 Claims | Sony Xperia Z3+ |
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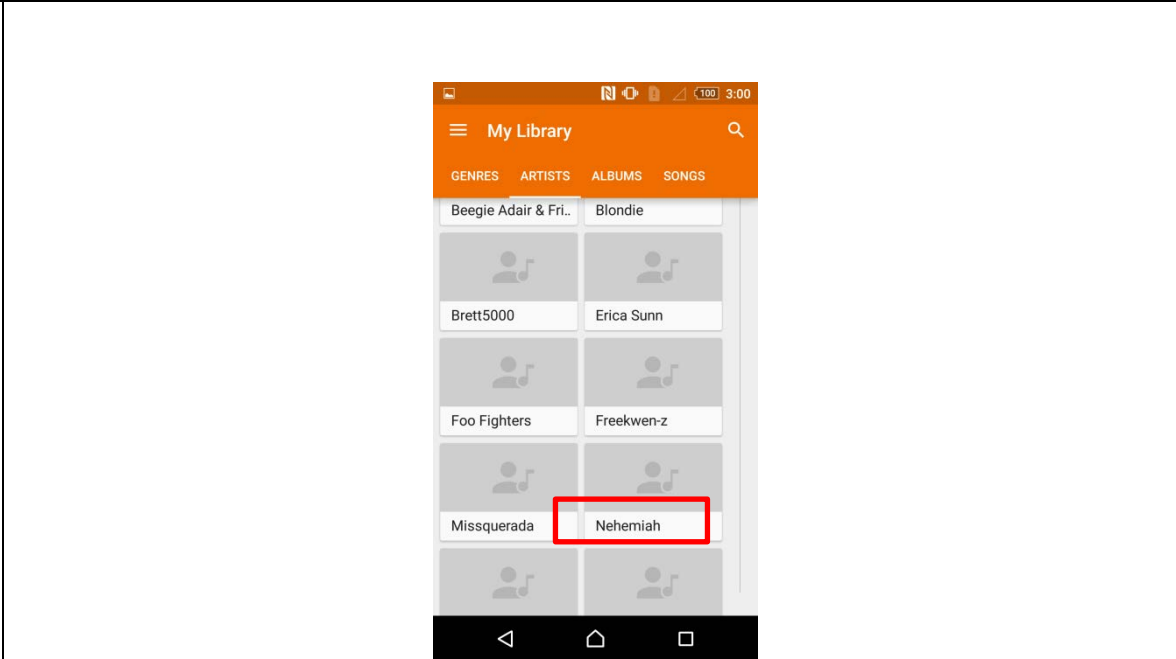


Fig. 91 – After selecting “Artists,” the second display screen displays artist names associated with tracks stored on the device. In this example, the artist name “Nehemiah” is selected.

(c) the items displayed in the third display screen comprise a listing of album names associated with the selected artist name, and one of the listed album names is selected; and

The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected artist name and one of the album names is selected.

See discussion for claim 1.

The pre-installed Play Music application on the Sony Xperia Z3+ displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the artist name “Nehemiah” in the second display screen, the Music application displays a third display

| '433 Claims | Sony Xperia Z3+ |
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| | <p>screen containing the album names stored on the Sony Xperia Z3+ associated with the selected artist name. The pre-installed Play Music application on the Sony Xperia Z3+ then allows a user to select an item in the third display screen, such as the album name “The Building Block 1.5.”</p> <div> </div> <p>Fig. 92 – After selecting “Nehemiah,” the third display screen displays album names associated with the selected artist name “Nehemiah.” In this example, the album name “The Building Block 1.5” is selected by tapping on the three vertical dots on the bottom right corner of the album.</p> |
| <p>(d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claim 1.</p> |

'433 Claims

Sony Xperia Z3+

The pre-installed Play Music application on the Sony Xperia Z3+ is allows a user to select an album name from the third screen and add a plurality of tracks associated with the album name to a playlist. For example, when the user selects the album “The Building Block 1.5” by tapping on the three vertical dots on the bottom right corner of the album and selects “Shuffle,” all of the tracks associated with the selected album name are added to the queue.

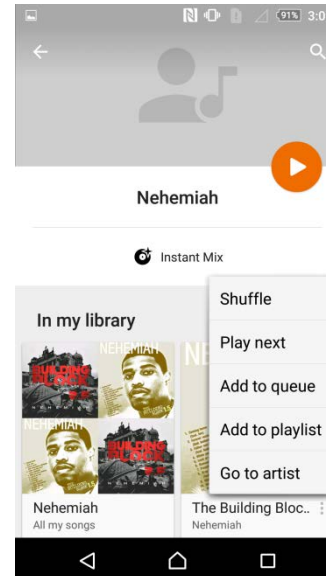


Fig. 93 – After tapping the three vertical dots on the bottom right corner of the album “The Building Block 1.5,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Sony Xperia Z3+

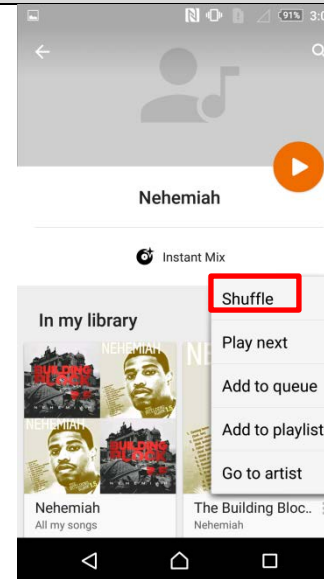
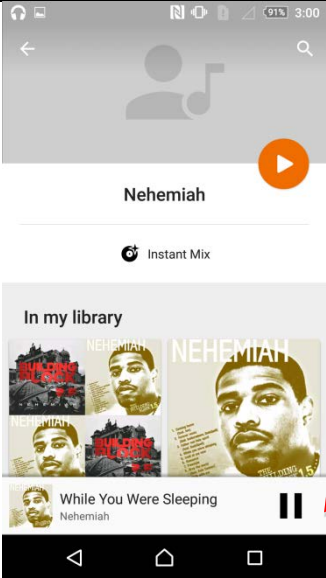


Fig. 94 – “Shuffle” is selected.

| '433 Claims | Sony Xperia Z3+ |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Track begins to play.</p> <p>Fig. 95 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Sony Xperia Z3+

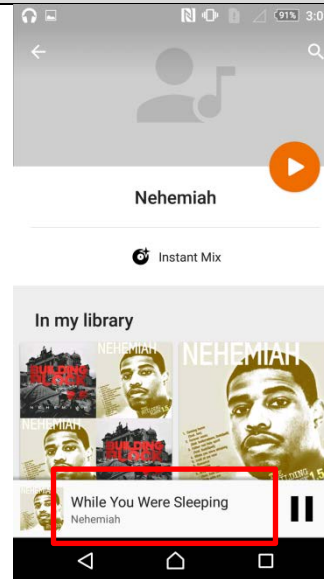


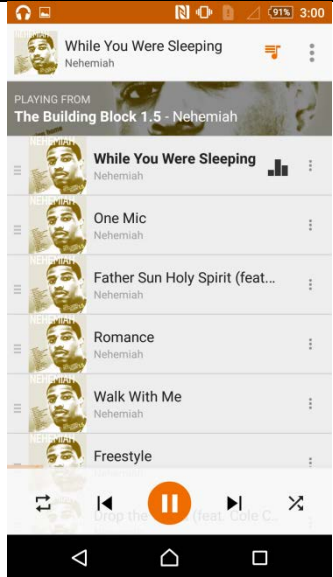
Fig. 96 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

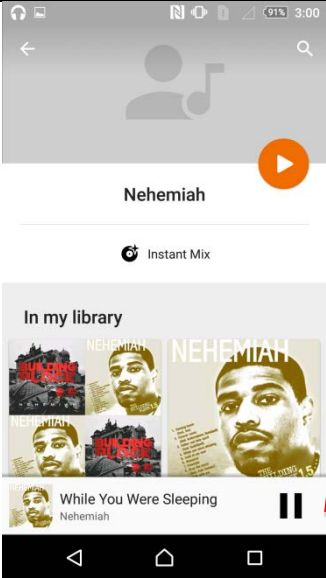
'433 Claims

Sony Xperia Z3+



Fig. 97 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows a music player interface on a Sony Xperia Z3+ device. At the top, the title 'While You Were Sleeping' by Nehemiah is displayed. Below it, a banner indicates the music is 'PLAYING FROM The Building Block 1.5 - Nehemiah'. A queue of tracks is visible, including 'While You Were Sleeping', 'One Mic', 'Father Sun Holy Spirit (feat...)', 'Romance', 'Walk With Me', and 'Freestyle'. The current track 'While You Were Sleeping' is highlighted with a progress bar and playback controls (play/pause, previous, next, shuffle, repeat) are shown at the bottom.</p> <p>Fig. 98 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>28. The method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Sony Xperia Z3+ is operable to perform the method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 27.</p> |

| '433 Claims | Sony Xperia Z3+ |
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| |  <p>Track begins to play.</p> <p>Fig. 99 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Sony Xperia Z3+

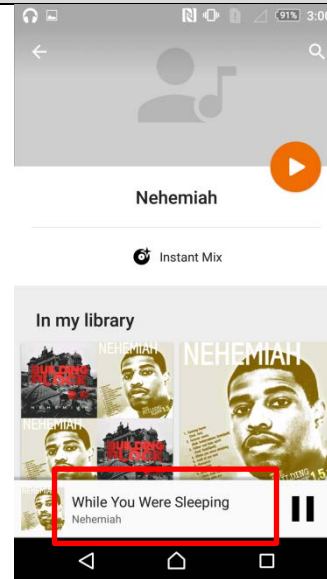


Fig. 100 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.


| '433 Claims | Sony Xperia Z3+ |
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| |  <p>The screenshot shows the music player interface on a Sony Xperia Z3+ smartphone. At the top, the status bar displays the time as 3:00 and battery level at 91%. The music player header shows the song title "While You Were Sleeping" by Nehemiah. A red box highlights the playlist icon (three horizontal lines) located in the top right corner of the player interface, next to three vertical dots. The main display area features a large image of a man's face and a music player control bar at the bottom with various playback controls.</p> |

Fig. 101 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

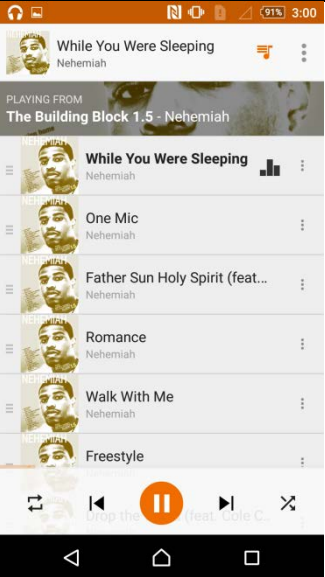
| '433 Claims | Sony Xperia Z3+ |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 102 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |

EXHIBIT 6A

EXHIBIT 6A

CLAIM CHART DEMONSTRATING SAMSUNG’S PRACTICE OF U.S. PATENT NO. 6,928,433

The Samsung Galaxy S6 is imported and sold with the Android operating system and the Google Play Music application (version 5.9.1854R.1904527) pre-installed. All of the accused Samsung devices that are imported and sold with the Android operating system and the Google Play Music application pre-installed infringe the claims of U.S. Patent No. 6,928,433 set forth below.

| ’433 Claims | Samsung Galaxy S6 |
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| <p>1. A method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy, the method comprising:</p> | <p>[NOT ASSERTED – CHARTED FOR PURPOSES OF DEPENDENT CLAIMS]</p> <p>To the extent that the preamble is construed to be a limitation to the claim, the Samsung Galaxy S6 is operable to perform a method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy.</p> <p>The Samsung Galaxy S6 is imported and sold with the Google Play Music application pre-installed, which is operable to access the plurality of tracks according to a hierarchy. The Samsung Galaxy S6 is configured to present sequentially a first display screen (showing categories such as “Albums,” “Artists,” and “Genres”); a second display screen (depending on the selected category, showing a listing of subcategories such as albums, artists, or genres represented in the music tracks stored on the Samsung Galaxy S6); and a third display screen (showing a listing of tracks corresponding to the selection made on the second display screen).</p> <p>The following three screenshots demonstrate a navigation through a first, second, and third display screens respectively.</p> |

'433 Claims

Samsung Galaxy S6

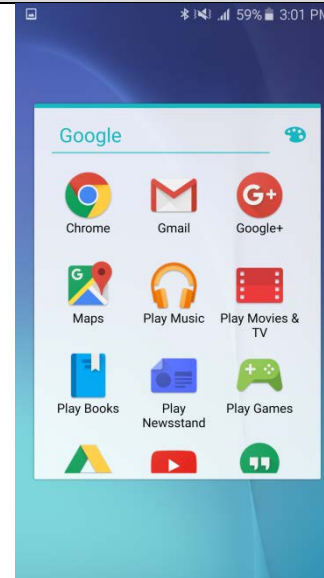


Fig. 1 – Selecting the “Play Music” icon launches the preinstalled “Play Music” application.

'433 Claims

Samsung Galaxy S6

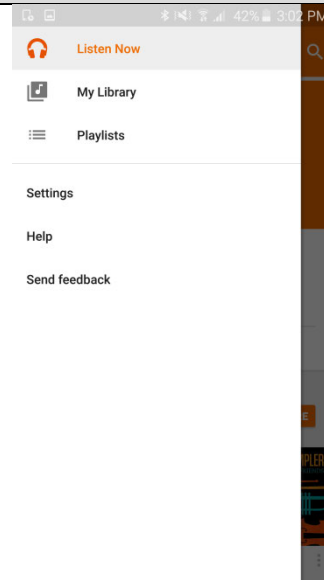


Fig. 2 – The music app has two modes: “Listen Now” and “My Library.” The “My Library” mode permits a user to navigate through music stored on the device.

'433 Claims

Samsung Galaxy S6

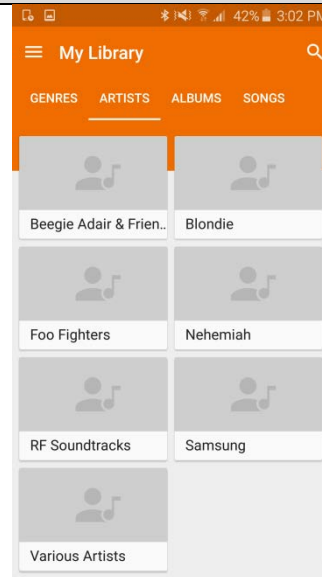


Fig. 3 – After selecting “My Library,” the first display screen displays categories, including “Albums,” “Artists,” and “Genres.”

'433 Claims

Samsung Galaxy S6

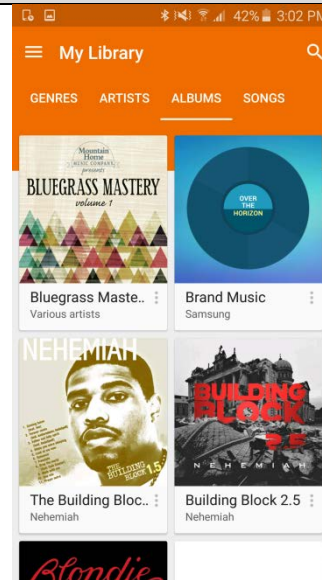
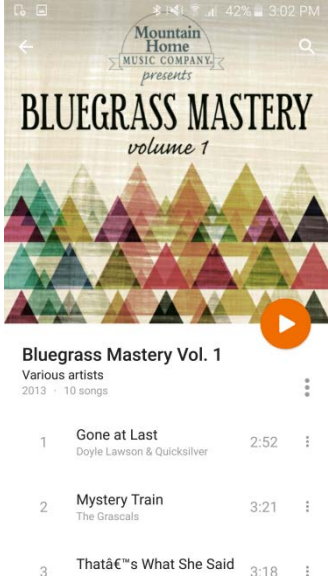
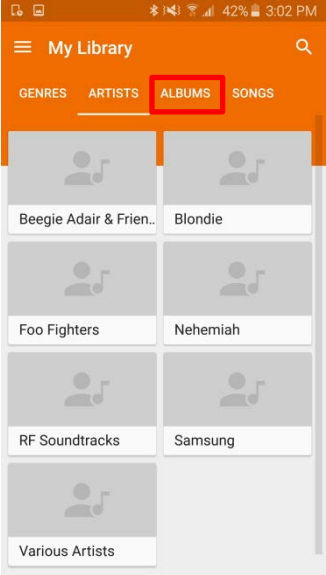
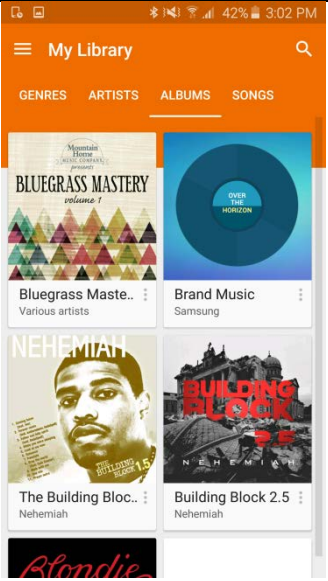
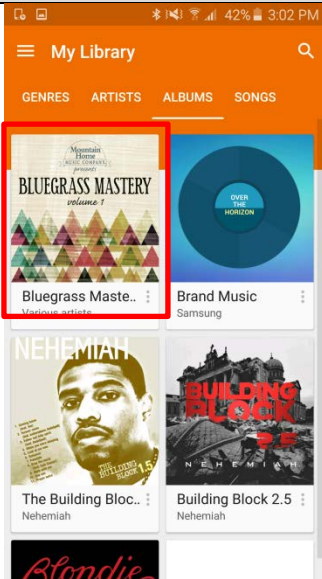



Fig. 4 – After selecting “Albums,” the second display screen displays albums stored on the device.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 5 – After selecting an album, the third display screen displays tracks stored on the device associated with the selected album.</p> |
| (a) selecting a category in the first display screen of the portable media player; | <p>The Samsung Galaxy S6 is operable to perform the step of selecting a category in the first display screen of the portable media player.</p> <p>The pre-installed Play Music application on the Samsung Galaxy S6 allows a user to select a category in the first display screen. The category options include “Genres,” “Artists,” “Albums,” and “Songs.”</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 6 – In this example, the category “Albums” is selected.</p> |
| <p>(b) displaying the subcategories belonging to the selected category in a listing presented in the second display screen;</p> | <p>The Samsung Galaxy S6 is operable to perform the step of displaying the subcategories belonging to the selected category in a listing presented in the second display screen.</p> <p>The pre-installed Play Music application on the Samsung Galaxy S6 displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Albums” category in the first display screen, the Music application displays a second display screen containing album names.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 7 – After selecting “Albums,” the second display screen displays albums stored on the device.</p> |
| (c) selecting a subcategory in the second display screen; | <p>The Samsung Galaxy S6 is operable to perform the step of selecting a subcategory in the second display screen.</p> <p>The pre-installed Play Music application on the Samsung Galaxy S6 allows a user to select a subcategory in the second display screen. For example, if the user selected the “Albums” category in the first display screen, a user can select an album from the albums displayed on the second display screen.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 8 – In this example, the album “Bluegrass Mastery Vol. 1” is selected from this list of albums.</p> |
| <p>(d) displaying the items belonging to the selected subcategory in a listing presented in the third display screen; and</p> | <p>The Samsung Galaxy S6 is operable to perform the step of displaying the items belonging to the selected subcategory in a listing presented in the third display screen.</p> <p>The pre-installed Play Music application on the Samsung Galaxy S6 displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Bluegrass Mastery Vol. 1” album in the second display screen, the Music application displays a third display screen containing the music tracks stored on the Samsung Galaxy S6 belonging to the selected album.</p> |

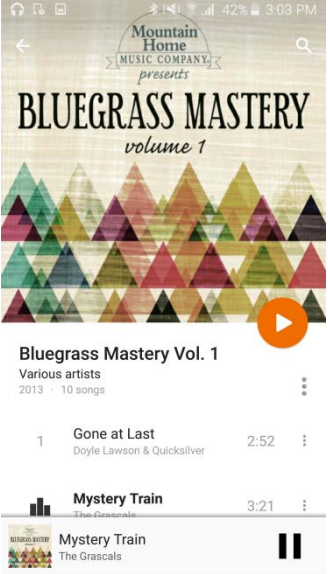
| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 9 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.</p> |
| <p>(e) accessing at least one track based on a selection made in one of the display screens.</p> | <p>The Samsung Galaxy S6 is operable to perform the step of accessing at least one track based on a selection made in one of the display screens.</p> <p>The pre-installed Play Music application on the Samsung Galaxy S6 will access a track, for example playing a track based on a selection made in one of the display screens. For example, when the user selects the track “Mystery Train” on the third display screen, the “Mystery Train” track begins playing.</p> |

'433 Claims

Samsung Galaxy S6



Fig. 10 – Selecting the “Mystery Train” track results in playing the selected track.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 11 – Once selected, the track “Mystery Train” begins playing.</p> |
| <p>2. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> | <p>The Samsung Galaxy S6 is operable to perform the step of accessing at least one track by selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the Samsung Galaxy S6 is operable to play a plurality of tracks associated with the selected category. For example, the Samsung Galaxy S6 allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The Samsung Galaxy S6 then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of songs that is currently being played. The tracks added to the active queue list of songs that is currently being played will play sequentially.</p> <p>See discussion for claim 1.</p> |

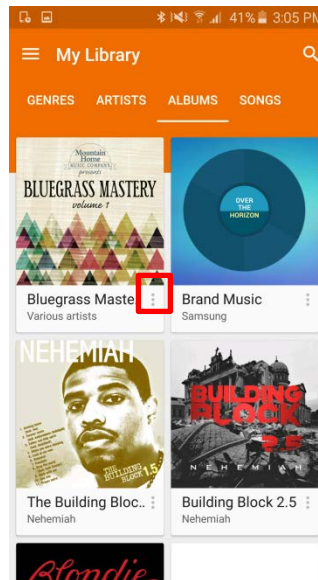


Fig. 12 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

'433 Claims

Samsung Galaxy S6

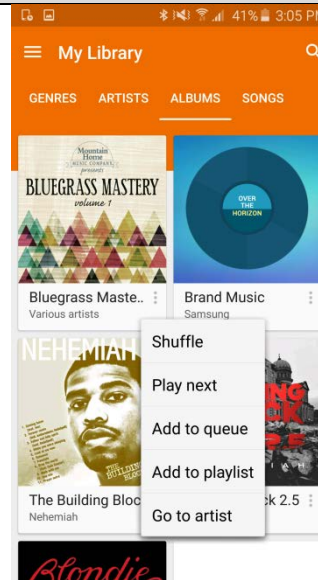


Fig. 13 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Samsung Galaxy S6

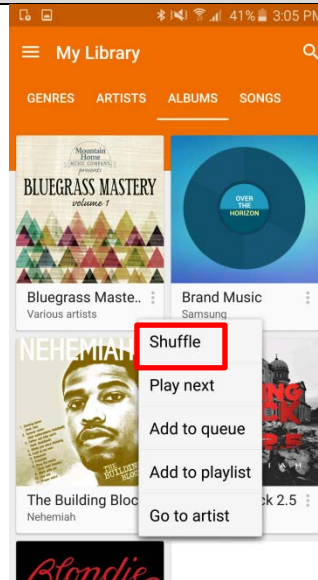
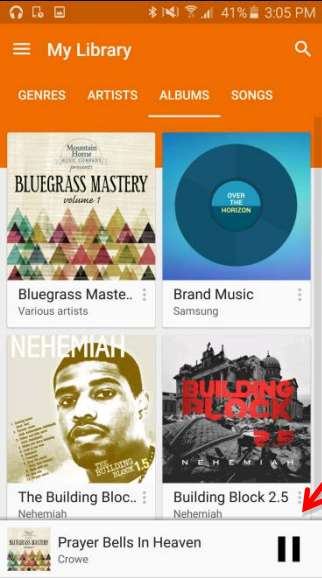


Fig. 14 – “Shuffle” is selected.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Track begins to play.</p> <p>Fig. 15 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Samsung Galaxy S6

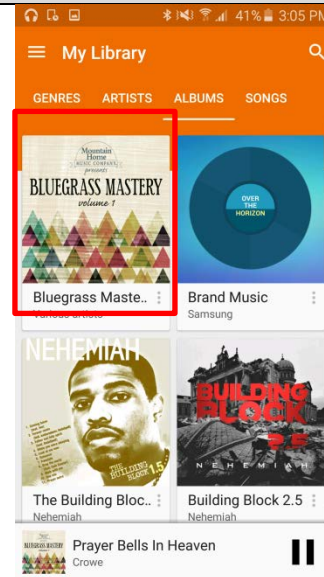


Fig. 16 – The same album is then tapped.

'433 Claims

Samsung Galaxy S6



Fig. 17 – The third display screen displays the tracks from the album.

'433 Claims

Samsung Galaxy S6



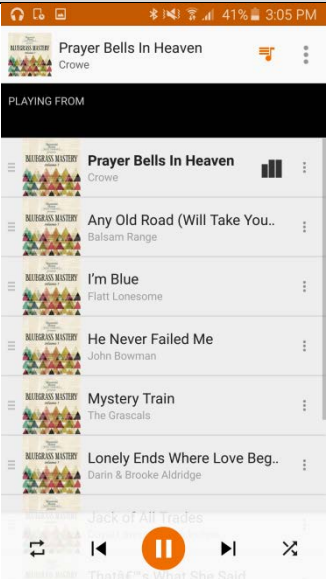
Fig. 18 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Samsung Galaxy S6



Fig. 19 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 20 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>3. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the step of accessing at least one track by selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the Samsung Galaxy S6 is operable to add a plurality of tracks associated with the selected category to a playlist. For example, the Samsung Galaxy S6 allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The Samsung Galaxy S6 then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of currently playing music.</p> <p>See discussion for claims 1 and 2.</p> |

'433 Claims

Samsung Galaxy S6

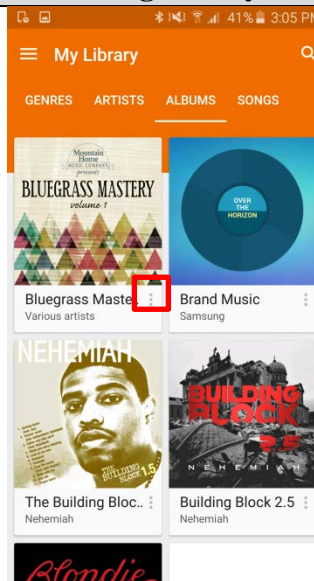


Fig. 21 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

'433 Claims

Samsung Galaxy S6

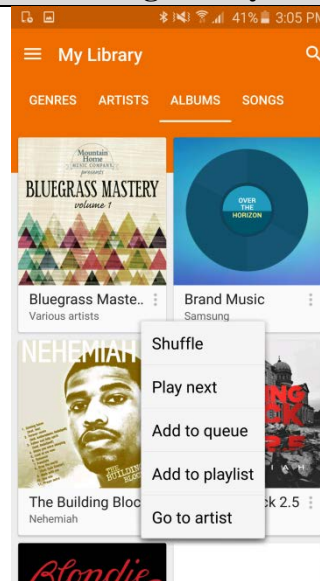


Fig. 22 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Samsung Galaxy S6

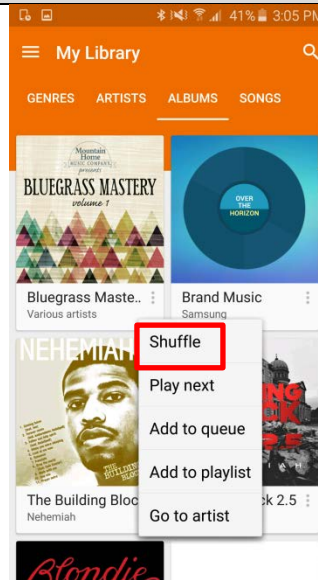
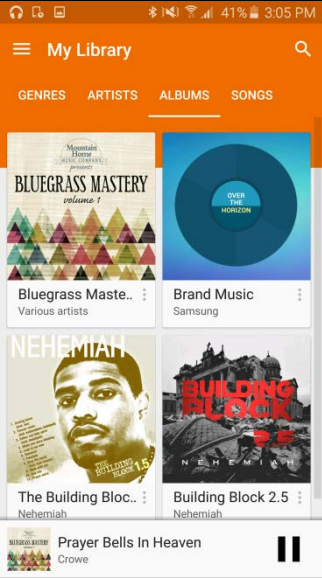


Fig. 23 – “Shuffle” is selected.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Track begins to play.</p> <p>Fig. 24 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Samsung Galaxy S6

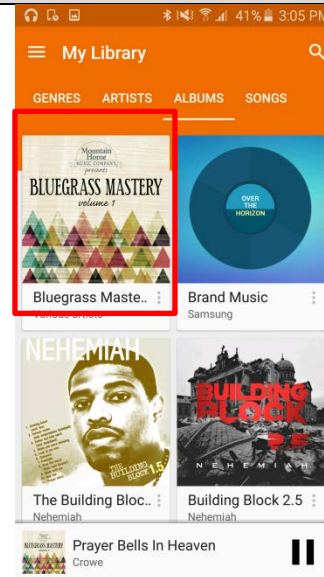


Fig. 25 – The same album is then tapped.


| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows a music player interface on a Samsung Galaxy S6. At the top, the status bar displays signal strength, Wi-Fi, 41% battery, and 3:05 PM. The main content area features the album cover for 'Bluegrass Mastery volume 1' by Mountain Home Music Company. Below the cover is a large orange play button. The album title 'Bluegrass Mastery Vol. 1' and 'Various artists' are displayed. A track list follows, showing two tracks: '1 Gone at Last' by Doyle Lawson & Quicksilver (2:52) and '2 Mystery Train' by The Grassroots (3:21). At the bottom, a smaller album cover is shown for 'Prayer Bells In Heaven' by Crowe, with a pause button to its right.</p> |

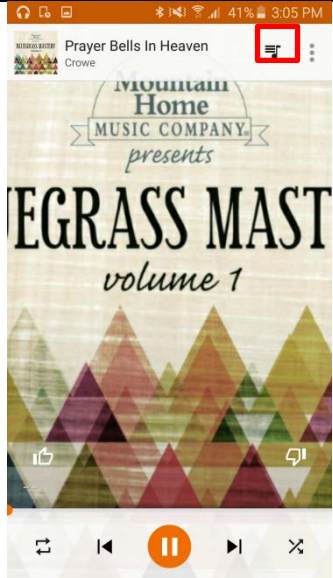
Fig. 26 – The third display screen displays the tracks from the album.

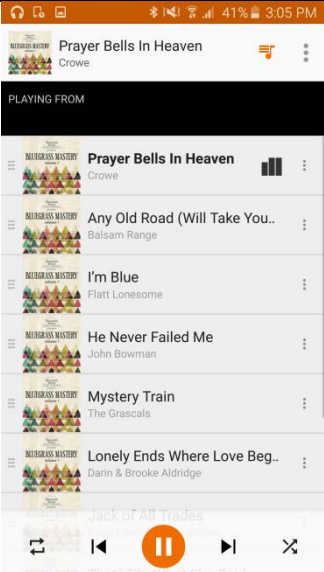
'433 Claims

Samsung Galaxy S6



Fig. 27 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 28 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 29 – The queue shows that all of the tracks from the album have been added to the queue.</p> |
| <p>5. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the step of accessing at least one track by selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the Samsung Galaxy S6 is operable to add a track associated with the selected subcategory to a playlist. For example, the Samsung Galaxy S6 allows a user to select an album from the second display screen, and then from the third display screen the Samsung Galaxy S6 allows a user to select a track from that album resulting in all of the tracks from the album being added to the queue.</p> <p>See discussion for claim 1.</p> |

'433 Claims

Samsung Galaxy S6



Fig. 30 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.

'433 Claims

Samsung Galaxy S6



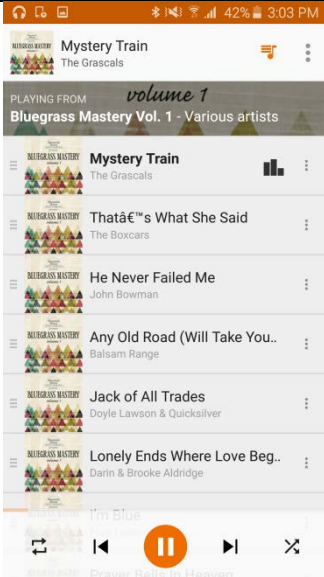
Fig. 31 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Samsung Galaxy S6



Fig. 32 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 33 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>7. The method of selecting a track as recited in claim 1 wherein the accessing at least one track is made after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> | <p>The Samsung Galaxy S6 is operable to perform the step of accessing at least one track after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> <p>See discussion for claims 1 and 2.</p> <p>The Samsung Galaxy S6 allows a user to, instead of (or in addition to) selecting a track on the third display screen, select the back arrow at the top left of the third display screen. The Samsung Galaxy S6 then displays the second display screen again. From the second display screen, the Samsung Galaxy S6 allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The Samsung Galaxy S6 then allows a user to then tap</p> |

'433 Claims

Samsung Galaxy S6

the "Shuffle" button to add the tracks of that album in a random order to the active queue list of currently playing music.



Fig. 34 – On the third display screen, the arrow in the top left of the screen is selected.

'433 Claims

Samsung Galaxy S6

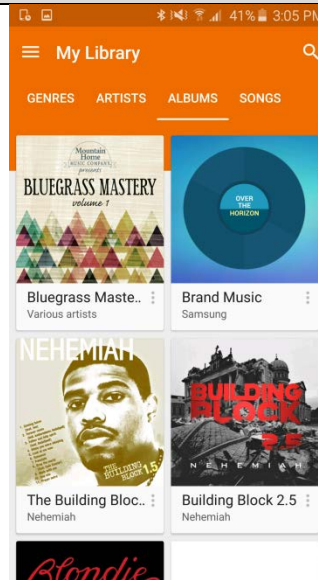
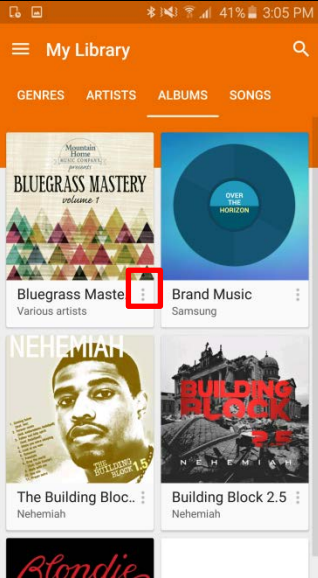


Fig. 35 – The second display screen is then displayed again.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 36 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”</p> |

'433 Claims

Samsung Galaxy S6

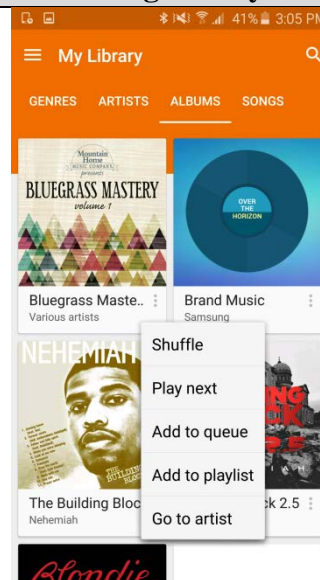


Fig. 37 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Samsung Galaxy S6

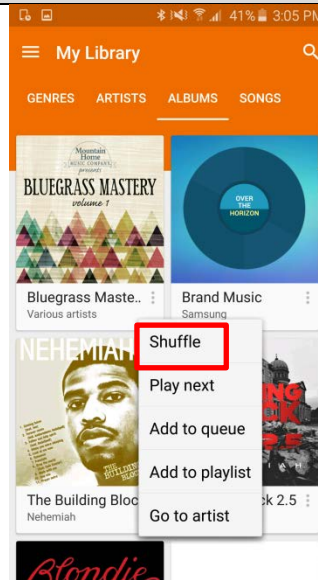
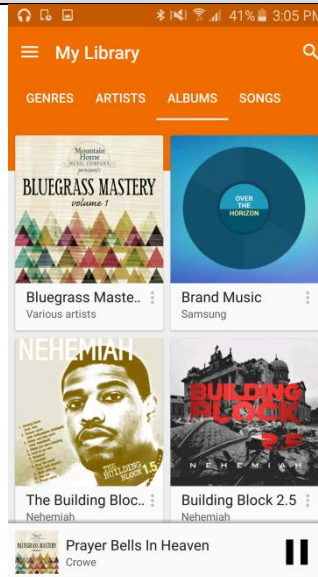


Fig. 38 – “Shuffle” is selected.

'433 Claims

Samsung Galaxy S6



Track begins to play.

Fig. 39 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

'433 Claims

Samsung Galaxy S6

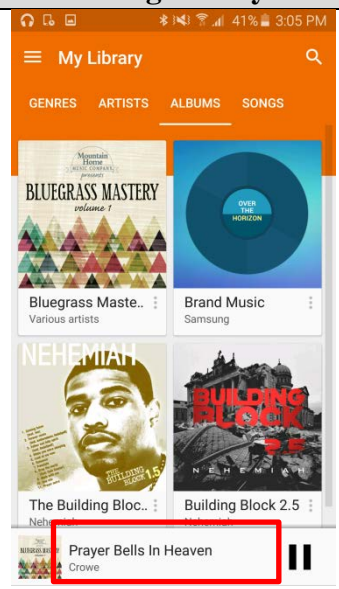


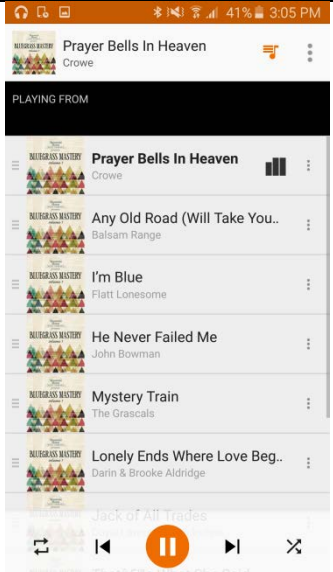
Fig. 40 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

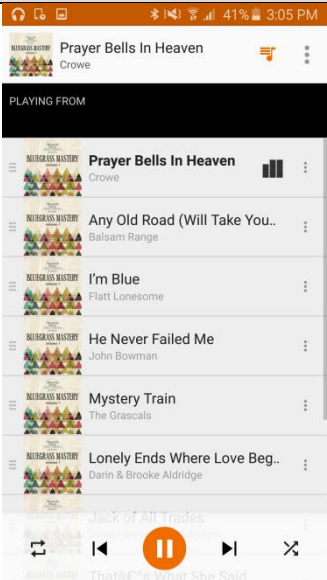
'433 Claims

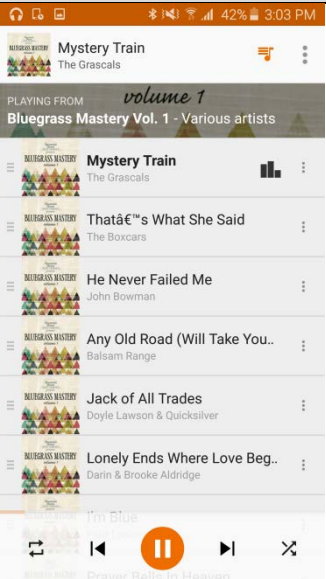
Samsung Galaxy S6



Fig. 41 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 42 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>17. The method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 3.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 43 – The tracks from the selected album have been added to the active queue list of songs that is currently being played.</p> |
| <p>18. The method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 5.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows a music player interface on a Samsung Galaxy S6. At the top, the status bar displays the time as 3:03 PM and battery level at 42%. The main screen shows the album 'Bluegrass Mastery Vol. 1' by 'Various artists'. The current track is 'Mystery Train' by 'The Grascals'. Below the album art, a list of tracks is displayed: 'Mystery Train', 'That's What She Said', 'He Never Failed Me', 'Any Old Road (Will Take You..', 'Jack of All Trades', and 'Lonely Ends Where Love Beg..'. At the bottom, a playback control bar is visible with a pause button in the center.</p> <p>Fig. 44 – All of the tracks associated with the “Bluegrass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.</p> |
| <p>19. The method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> <p>See claim 5.</p> |

'433 Claims

Samsung Galaxy S6



Fig. 45 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.

'433 Claims

Samsung Galaxy S6



Track begins to play.

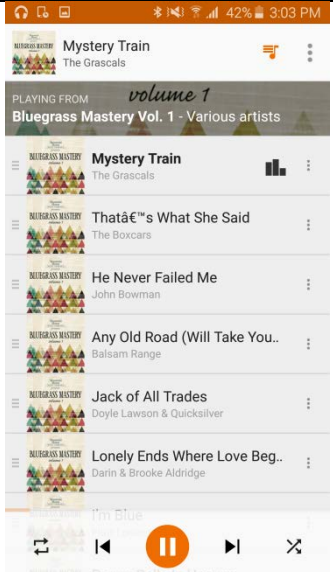
Fig. 46 – Once selected, the track “Mystery Train” begins playing from the queue. All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

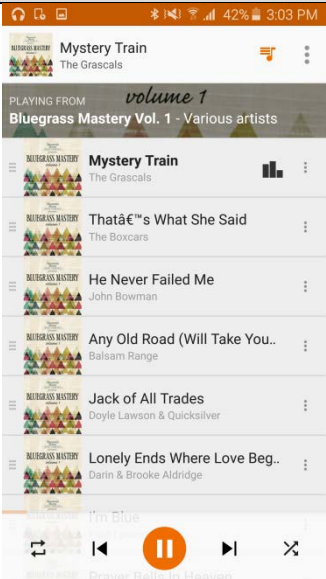
'433 Claims

Samsung Galaxy S6



Fig. 47 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 48 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>20. The method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 19.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 49 – All of the tracks associated with the “Blue Grass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.</p> |
| <p>21. The method of selecting a track as recited in claim 5 where in the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> <p>See claim 5.</p> <p>For example, if on the first display screen the “Genres” category is selected and a genre is selected on the second display screen, the Samsung Galaxy S6 displays albums on the third display screen. The Samsung Galaxy S6 then allows a user to select an album name and select shuffle, which adds all of the tracks associated with the selected album name to the active queue list of songs that is currently being played.</p> |

'433 Claims

Samsung Galaxy S6

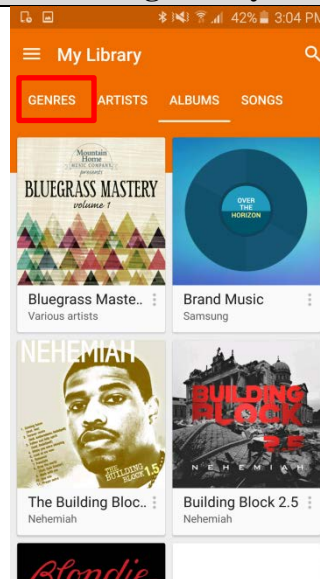


Fig. 50 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.

'433 Claims

Samsung Galaxy S6

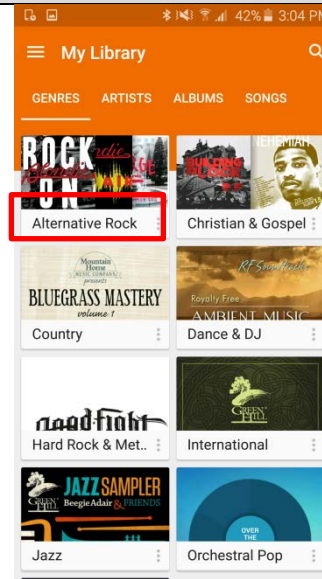


Fig. 51 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.

'433 Claims

Samsung Galaxy S6

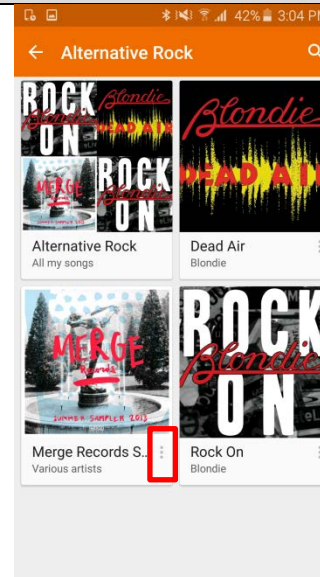


Fig. 52 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

'433 Claims

Samsung Galaxy S6

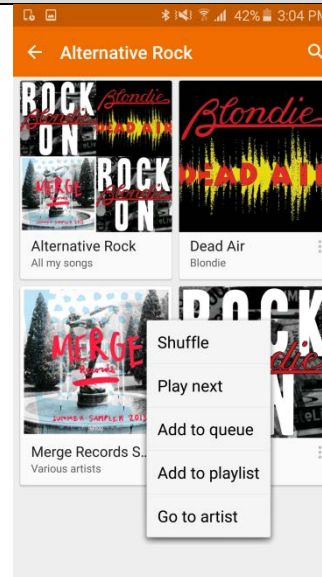


Fig. 53 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Samsung Galaxy S6

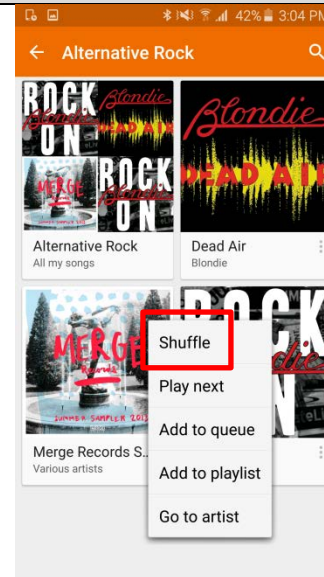
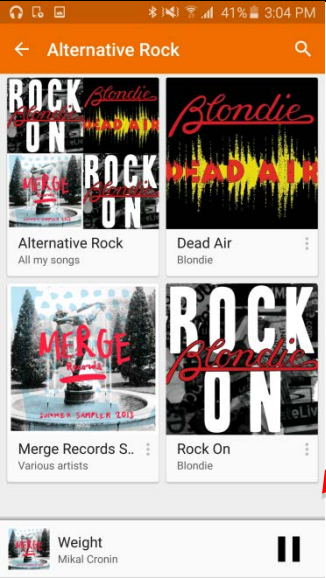


Fig. 54 – “Shuffle” is selected.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Track begins to play.</p> <p>Fig. 55 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Samsung Galaxy S6

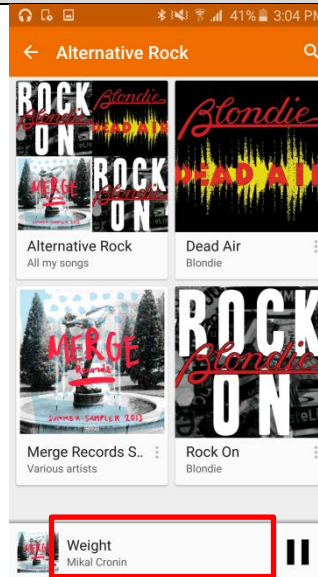
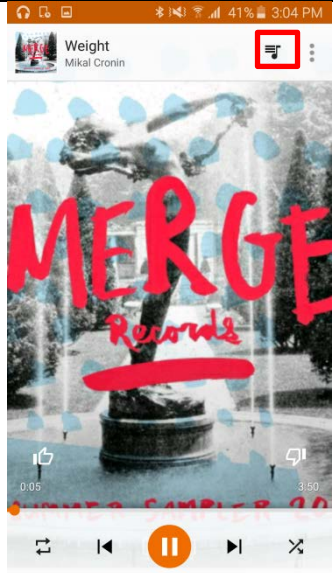
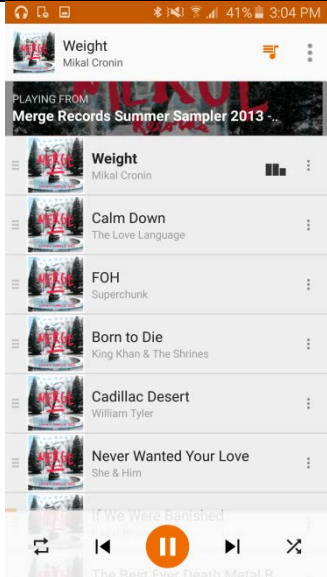


Fig. 56 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows a video player interface on a Samsung Galaxy S6. At the top, the status bar displays the time as 3:04 PM and 41% battery. Below the status bar, the video title 'Weight' by Mikal Cronin is visible. The video thumbnail features the word 'MERGE' in large red letters over a scene of a person performing a stunt. A red circle highlights the playlist icon (three horizontal lines) in the top right corner of the video player. Below the video, there are playback controls including a play/pause button, a progress bar, and a volume icon.</p> <p>Fig. 57 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 58 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>22. The method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 21.</p> |

'433 Claims

Samsung Galaxy S6

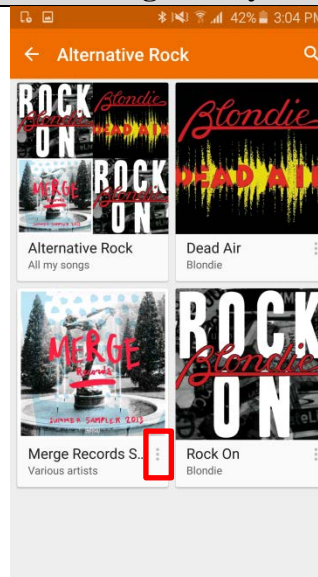


Fig. 59 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

'433 Claims

Samsung Galaxy S6

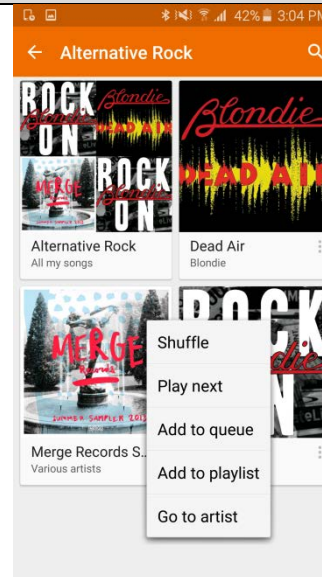


Fig. 60 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Samsung Galaxy S6

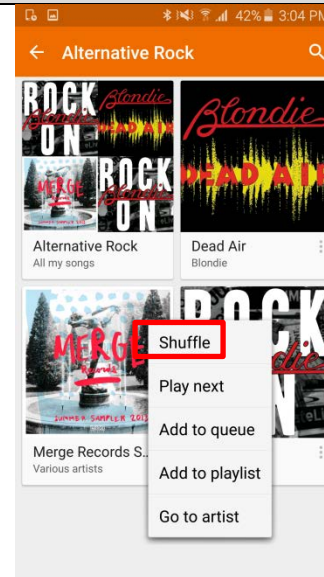
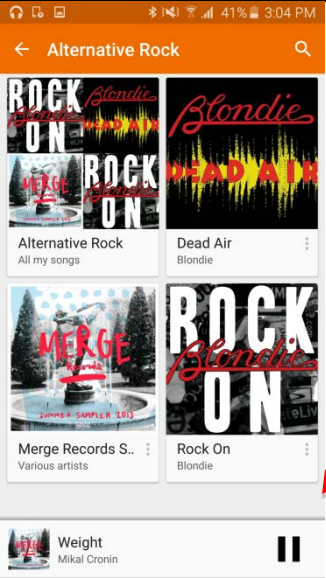


Fig. 61 – “Shuffle” is selected.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Track begins to play.</p> <p>Fig. 62 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Samsung Galaxy S6

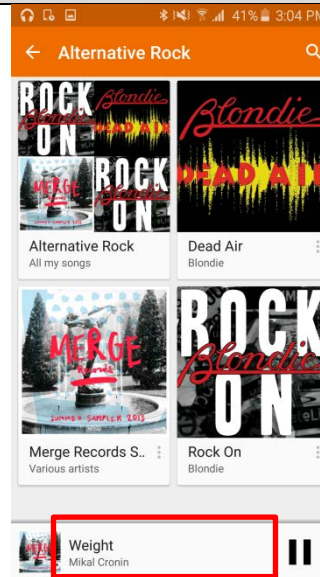
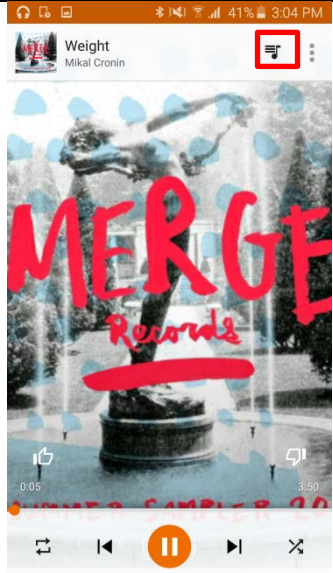
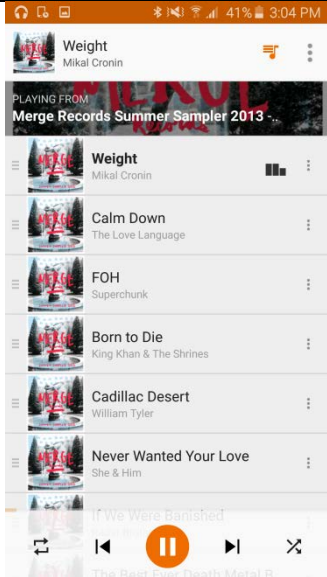
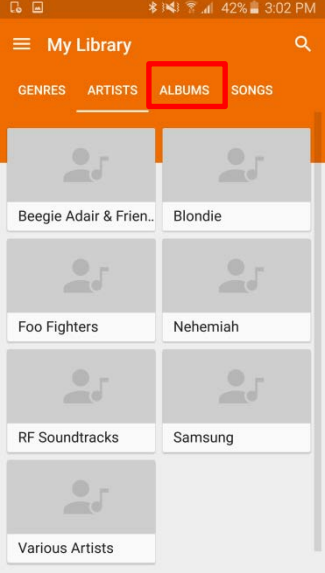
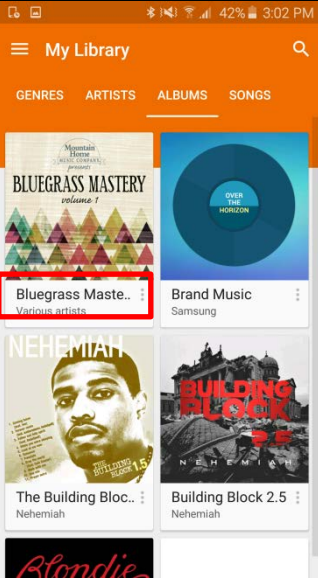


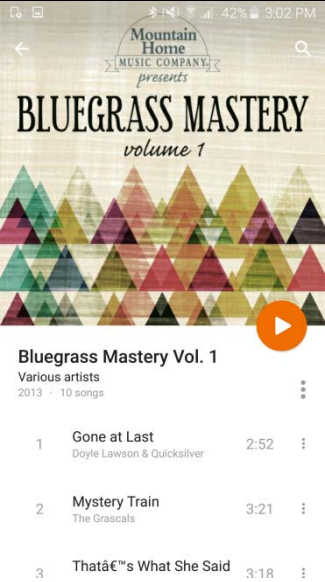
Fig. 63 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows a music player interface on a Samsung Galaxy S6. At the top, the status bar displays the time as 3:04 PM and battery at 41%. Below the status bar, the artist name 'Weight' and the name 'Mikal Cronin' are visible. The main content is a video thumbnail with the word 'MERGE' in large red letters and 'Records' in a smaller red font below it. A red horizontal bar is drawn over the bottom of the video thumbnail. In the top right corner of the video player, a playlist icon (three horizontal lines) is highlighted with a red square. Below the video, there are playback controls including a play/pause button, a progress bar, and a volume icon.</p> |
| | <p>Fig. 64 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 65 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>23. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| <p>(a) the category album is selected in the first display screen from available categories that include at least artist and album;</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist and album.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows the 'My Library' screen on a Samsung Galaxy S6. At the top, there is a navigation bar with four options: 'GENRES', 'ARTISTS', 'ALBUMS', and 'SONGS'. The 'ALBUMS' option is highlighted with a red box, indicating it is the selected category. Below the navigation bar, there is a grid of album covers. The visible album names are: 'Beegie Adair & Frien..', 'Blondie', 'Foo Fighters', 'Nehemiah', 'RF Soundtracks', 'Samsung', and 'Various Artists'.</p> <p>Fig. 66 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Albums” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected; and</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows the 'My Library' screen of a music application on a Samsung Galaxy S6. The screen is divided into four quadrants, each displaying an album cover. The top-left quadrant shows 'BLUEGRASS MASTERY volume 1' by 'Various artists', which is highlighted with a red rectangular box. The top-right quadrant shows 'Brand Music' by 'Samsung'. The bottom-left quadrant shows 'NEHEMIAH' by 'Nehemiah'. The bottom-right quadrant shows 'BUILDING BLOCK 2.5' by 'Nehemiah'. The status bar at the top indicates 42% battery and 3:02 PM.</p> <p>Fig. 67 – After selecting “Albums,” the second display screen displays albums stored on the device. In this example, the album “Bluegrass Mastery Vol. 1” is selected.</p> |
| <p>(c) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claims 1 and 3.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 68 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.</p> |

'433 Claims

Samsung Galaxy S6



Fig. 69 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.

'433 Claims

Samsung Galaxy S6



Track begins to play.

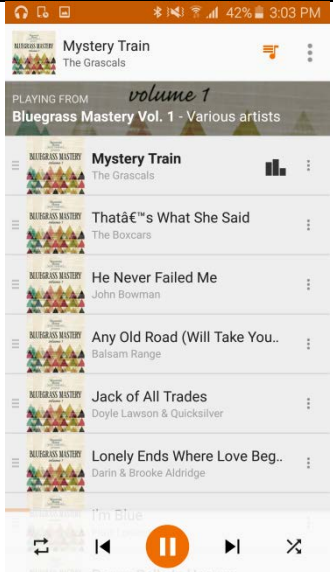
Fig. 70 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Samsung Galaxy S6



Fig. 71 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows a music player interface on a Samsung Galaxy S6. At the top, the status bar shows the time as 3:03 PM and 42% battery. The main display area shows the album 'Mystery Train' by The Grascals. Below the album name, it says 'PLAYING FROM volume 1 Bluegrass Mastery Vol. 1 - Various artists'. A list of tracks is displayed in a queue: 'Mystery Train' (The Grascals), 'That's What She Said' (The Boxcars), 'He Never Failed Me' (John Bowman), 'Any Old Road (Will Take You..)' (Balsam Range), 'Jack of All Trades' (Doyle Lawson & Quicksilver), and 'Lonely Ends Where Love Beg..' (Darin & Brooke Aldridge). At the bottom, there are playback controls including a play/pause button, skip, and shuffle icons.</p> <p>Fig. 72 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>24. The method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 23.</p> |

'433 Claims

Samsung Galaxy S6



Fig. 73 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.

'433 Claims

Samsung Galaxy S6



Track begins to play.

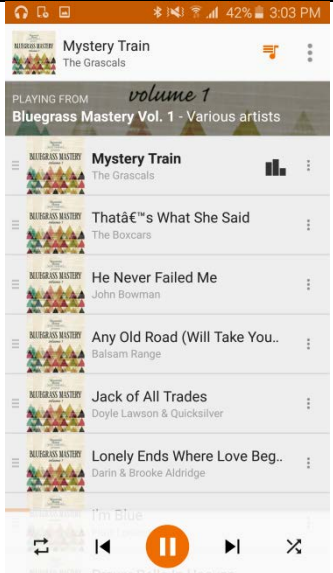
Fig. 74 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.

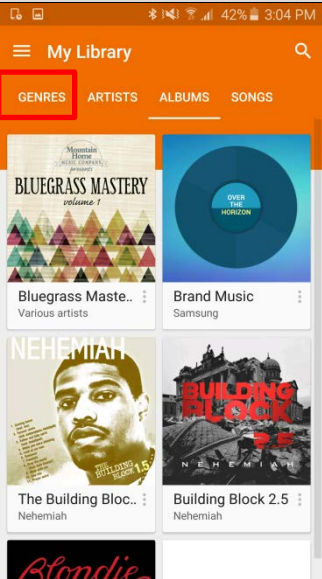
'433 Claims

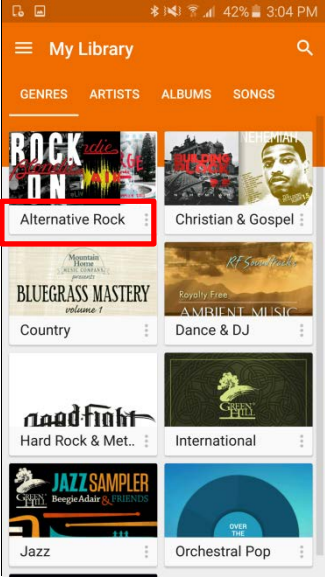
Samsung Galaxy S6



Fig. 75 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 76 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>25. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| <p>(a) the category genre is selected in the first display screen from available categories that include at least artist, album, and genre;</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist, album, and genre.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 77 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of a plurality of genre types, and one of one genre types is selected;</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Samsung Galaxy S6 displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Genres” category in the first display screen, the Music application displays a second display screen containing genre types. The pre-installed Play Music application on the Samsung Galaxy S6 then allows a user to select a subcategory in the second display screen, such as “Alternative Rock.”</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 78 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.</p> |
| <p>(c) the items displayed in the third display screen comprise a listing of a plurality of album names associated with the selected genre type, and one of the album names is selected; and</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected genre type and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Samsung Galaxy S6 displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Alternative Rock” genre in the second display screen, the Music application displays a third display screen containing the album names stored on the Samsung Galaxy S6</p> |

| '433 Claims | Samsung Galaxy S6 |
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| | <p>belonging to the selected genre. The pre-installed Play Music application on the Samsung Galaxy S6 then allows a user to select an item in the third display screen, such as the album name “Merge Records Summer Sampler 2013.”</p> <div> </div> <p>Fig. 79 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.</p> |
| <p>(d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Samsung Galaxy S6 is allows a user to</p> |

'433 Claims

Samsung Galaxy S6

select an album name from the third screen and add a plurality of tracks associated with the album name to a playlist. For example, when the user selects the album “Merge Records Summer Sampler 2013” by tapping on the three vertical dots on the bottom right corner of the album and selects “Shuffle,” all of the tracks associated with the selected album name are added to the queue.

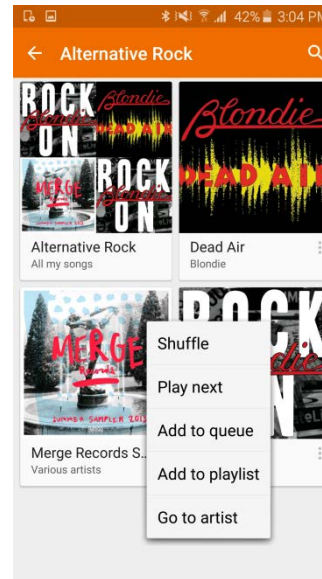


Fig. 80 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Samsung Galaxy S6

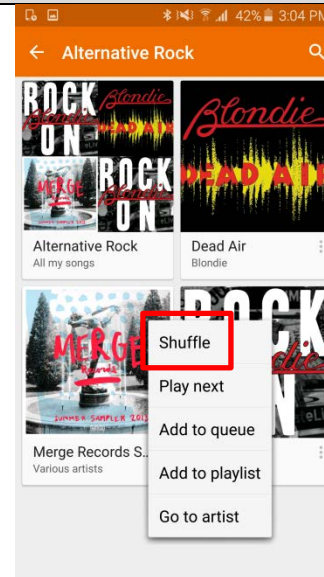
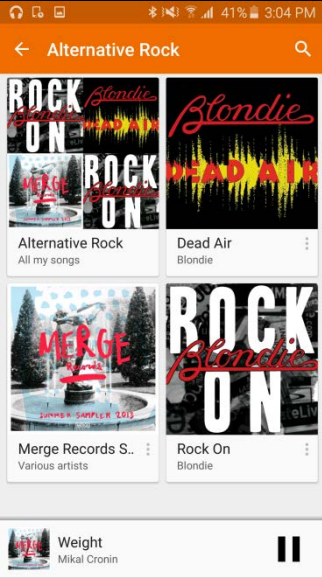


Fig. 81 – “Shuffle” is selected.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Track begins to play.</p> <p>Fig. 82 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Samsung Galaxy S6

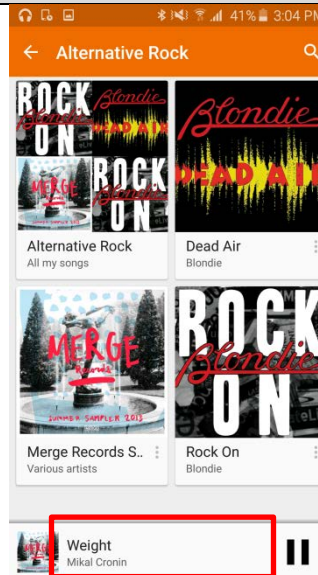
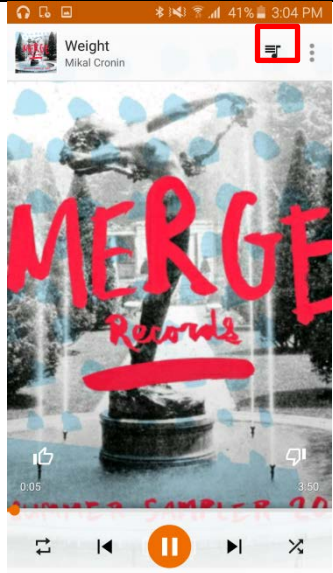
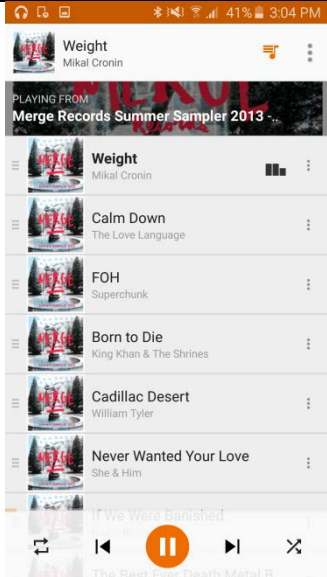
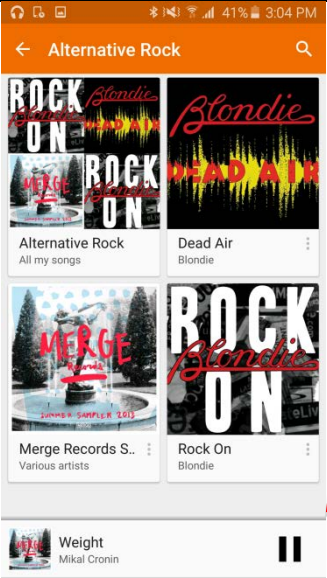


Fig. 83 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 84 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 85 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>26. The method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 25.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Track begins to play.</p> <p>Fig. 86 – After selecting “Shuffle,” all of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Samsung Galaxy S6

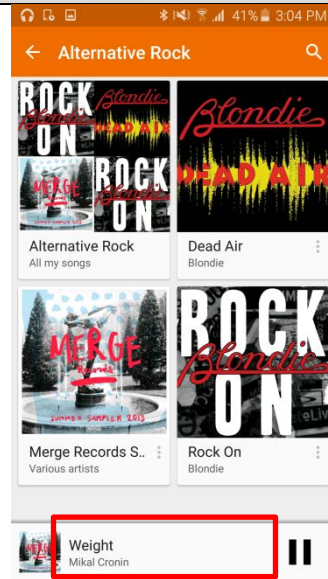

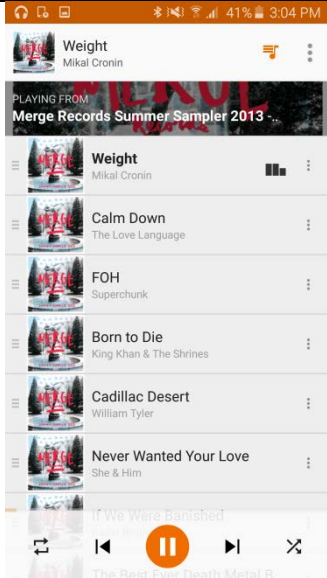
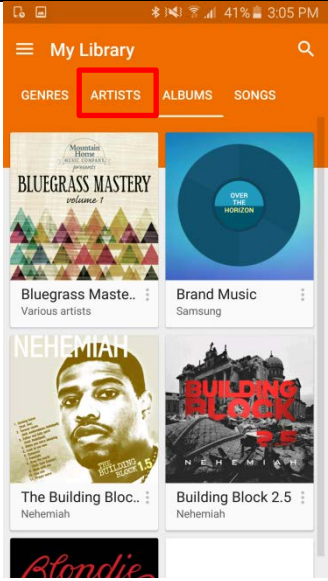


Fig. 87 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 88 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 89 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>27. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| <p>(a) the category artist is selected in the first display screen from available categories that include at least artist, album, and genre;</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the category artist is selected in the first display screen from available categories that include at least artist, album, and genre.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 90 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Artists” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of artist names, and one of the listed artist names is selected;</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of artist names and one of the artist names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Samsung Galaxy S6 displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Artists” category in the first display screen, the Music application displays a second display screen containing artist names. The pre-installed Play Music application on the Samsung Galaxy S6 then allows a user to select a subcategory in the second display screen, such as “Nehemiah.”</p> |

'433 Claims

Samsung Galaxy S6

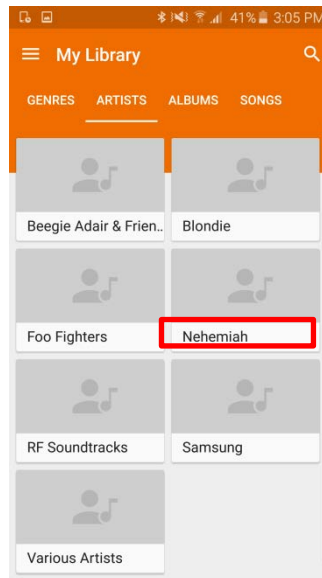


Fig. 91 – After selecting “Artists,” the second display screen displays artist names associated with tracks stored on the device. In this example, the artist name “Nehemiah” is selected.

(c) the items displayed in the third display screen comprise a listing of album names associated with the selected artist name, and one of the listed album names is selected; and

The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected artist name and one of the album names is selected.

See discussion for claim 1.

The pre-installed Play Music application on the Samsung Galaxy S6 displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the artist name “Nehemiah” in the second display screen, the Music application displays a third display screen containing the album names stored on the Samsung Galaxy S6 associated with the

| '433 Claims | Samsung Galaxy S6 |
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| | <p>selected artist name. The pre-installed Play Music application on the Samsung Galaxy S6 then allows a user to select an item in the third display screen, such as the album name “The Building Block 1.5.”</p> <div> </div> <p>Fig. 92 – After selecting “Nehemiah,” the third display screen displays album names associated with the selected artist name “Nehemiah.” In this example, the album name “The Building Block 1.5” is selected by tapping on the three vertical dots on the bottom right corner of the album.</p> |
| <p>(d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Samsung Galaxy S6 is allows a user to</p> |

'433 Claims

Samsung Galaxy S6

select an album name from the third screen and add a plurality of tracks associated with the album name to a playlist. For example, when the user selects the album “The Building Block 1.5” by tapping on the three vertical dots on the bottom right corner of the album and selects “Shuffle,” all of the tracks associated with the selected album name are added to the queue.

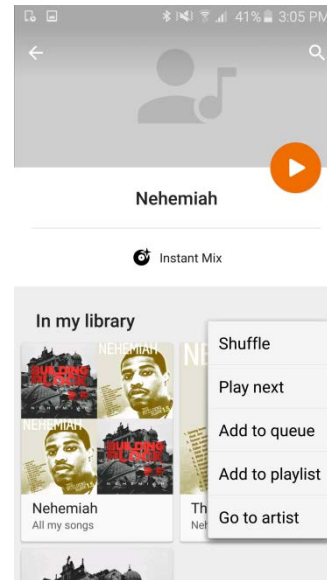


Fig. 93 – After tapping the three vertical dots on the bottom right corner of the album “The Building Block 1.5,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Samsung Galaxy S6

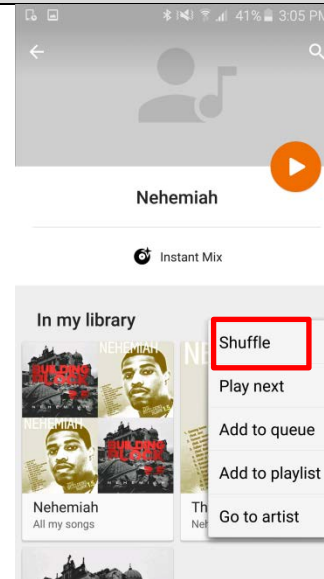
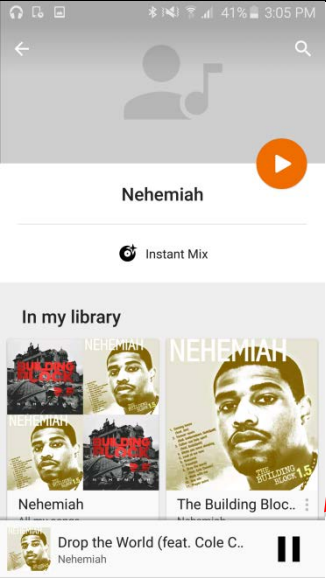


Fig. 94 – “Shuffle” is selected.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Track begins to play.</p> <p>Fig. 95 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Samsung Galaxy S6

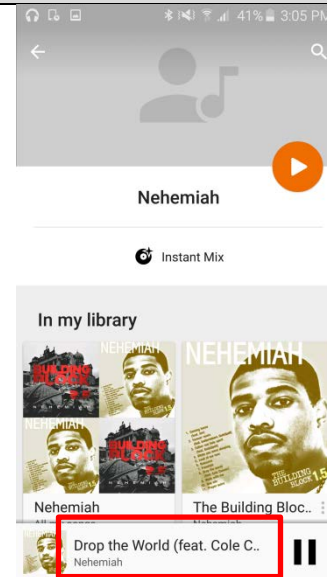


Fig. 96 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Samsung Galaxy S6

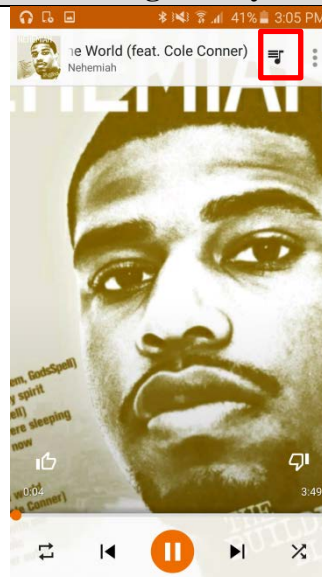
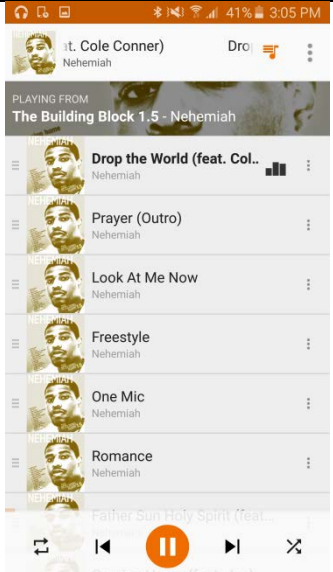
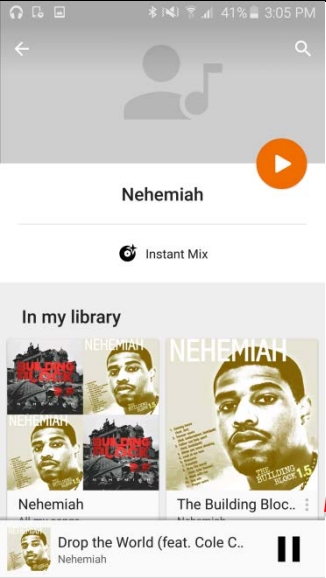
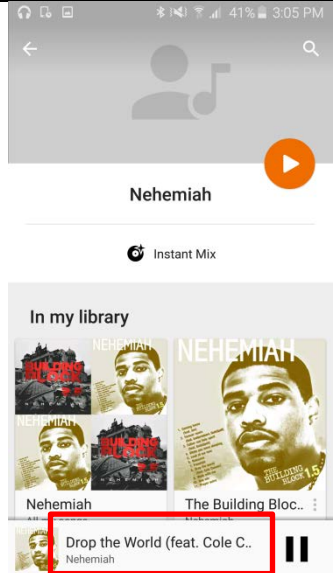


Fig. 97 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 98 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>28. The method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 27.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Track begins to play.</p> <p>Fig. 99 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 100 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.</p> |

'433 Claims

Samsung Galaxy S6

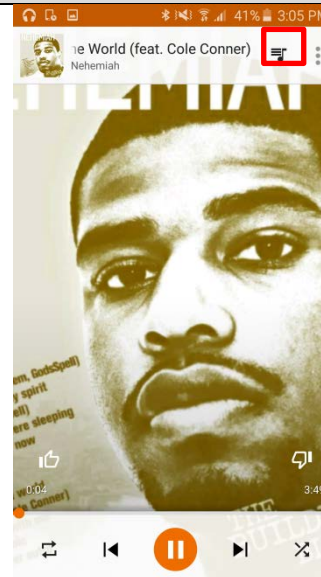


Fig. 101 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

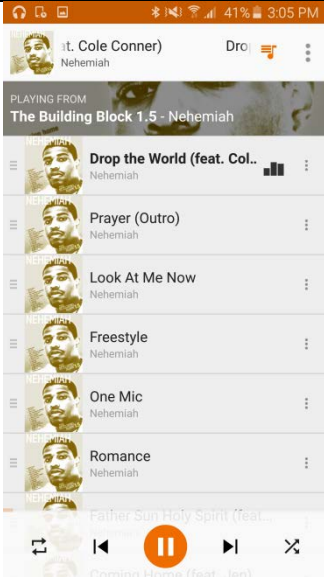
| '433 Claims | Samsung Galaxy S6 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 102 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |

EXHIBIT 6B

EXHIBIT 6B

CLAIM CHART DEMONSTRATING SAMSUNG'S PRACTICE OF U.S. PATENT NO. 6,928,433

The Samsung Galaxy S6 is imported and sold with the Android operating system and the Samsung "Music" application (version 6.0.1508051449) pre-installed. All of the accused Samsung devices that are imported and sold with the Android operating system and the Samsung "Music" application pre-installed infringe the claims of U.S. Patent No. 6,928,433 set forth below.

| '433 Claims | Samsung Galaxy S6 |
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| <p>1. A method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy, the method comprising:</p> | <p>[NOT ASSERTED – CHARTED FOR PURPOSES OF DEPENDENT CLAIMS]</p> <p>To the extent that the preamble is construed to be a limitation to the claim, the Samsung Galaxy S6 is operable to perform a method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy.</p> <p>The Samsung Galaxy S6 is imported and sold with a "Music" application pre-installed, which is operable to access the plurality of tracks according to a hierarchy. The Samsung Galaxy S6 is configured to present sequentially a first display screen (showing categories such as "Albums," "Artists," and "Genres"); a second display screen (depending on the selected category, showing a listing of subcategories such as albums, artists, or genres represented in the music tracks stored on the Samsung Galaxy S6); and a third display screen (showing a listing of tracks corresponding to the selection made on the second display screen).</p> <p>The following three screenshots demonstrate a navigation through a first, second, and third display screens respectively.</p> |

'433 Claims

Samsung Galaxy S6

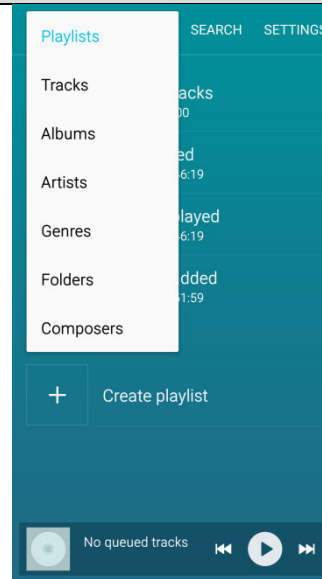


Fig. 1 – The first display screen displays categories, including “Albums,” “Artists,” and “Genres.”

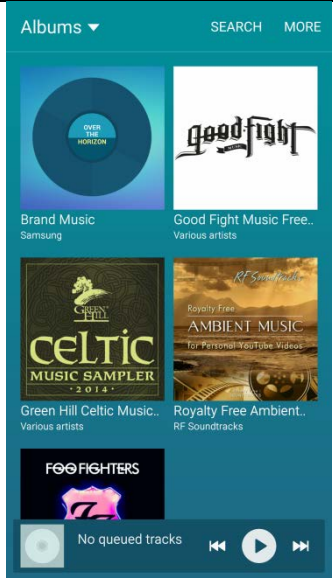
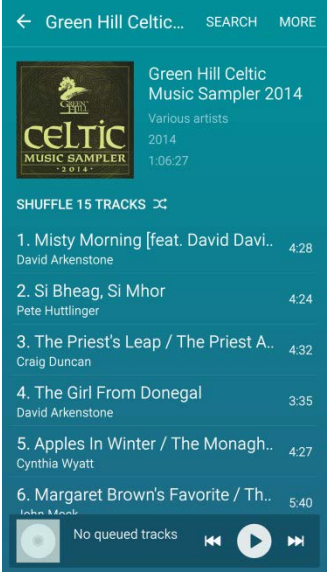
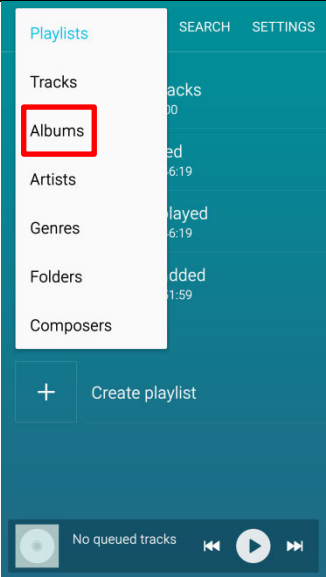
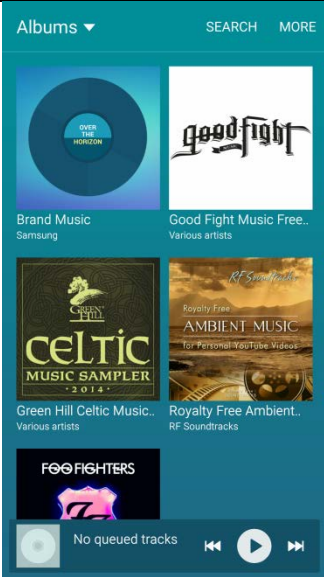
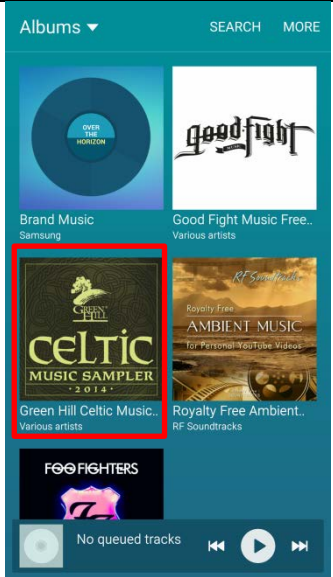
| '433 Claims | Samsung Galaxy S6 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the Samsung Music application interface. At the top, there is a teal header with the word "Albums" and a dropdown arrow, followed by "SEARCH" and "MORE" options. Below the header, five album covers are displayed in a grid. The first row contains "Brand Music" by Samsung (a blue vinyl record) and "Good Fight Music Free.." by Various artists (the Good Fight logo). The second row contains "Green Hill Celtic Music.." by Various artists (a Celtic-themed cover) and "Royalty Free Ambient.. RF Soundtracks" (a landscape cover). The third row shows the "FOO FIGHTERS" logo. At the bottom, a playback control bar shows a play button, the text "No queued tracks", and skip buttons.</p> |

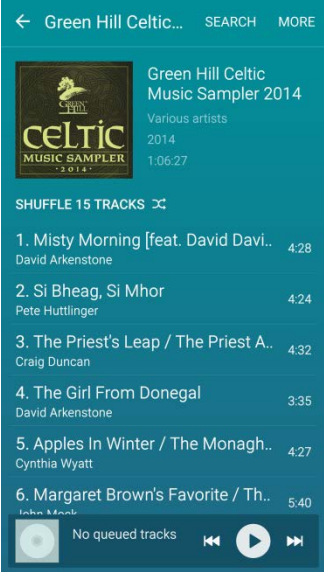
Fig. 2 – After selecting “Albums,” the second display screen displays albums stored on the device.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 3 – After selecting an album, the third display screen displays tracks stored on the device associated with the selected album.</p> |
| (a) selecting a category in the first display screen of the portable media player; | <p>The Samsung Galaxy S6 is operable to perform the step of selecting a category in the first display screen of the portable media player.</p> <p>The pre-installed Music application on the Samsung Galaxy S6 allows a user to select a category in the first display screen. The category options include “Albums,” “Artists,” and “Genres.”</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 4 – In this example, the category “Albums” is selected.</p> |
| <p>(b) displaying the subcategories belonging to the selected category in a listing presented in the second display screen;</p> | <p>The Samsung Galaxy S6 is operable to perform the step of displaying the subcategories belonging to the selected category in a listing presented in the second display screen.</p> <p>The pre-installed Music application on the Samsung Galaxy S6 displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Albums” category in the first display screen, the Music application displays a second display screen containing album names.</p> |

| '433 Claims | Samsung Galaxy S6 |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 5 – After selecting “Albums,” the second display screen displays albums stored on the device.</p> |
| (c) selecting a subcategory in the second display screen; | <p>The Samsung Galaxy S6 is operable to perform the step of selecting a subcategory in the second display screen.</p> <p>The pre-installed Music application on the Samsung Galaxy S6 allows a user to select a subcategory in the second display screen. For example, if the user selects the “Albums” category in the first display screen, the user can select an album from the albums displayed on the second display screen.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 6 – In this example, the album “Green Hill Celtic Music Sampler” is selected from the list of albums.</p> |
| <p>(d) displaying the items belonging to the selected subcategory in a listing presented in the third display screen; and</p> | <p>The Samsung Galaxy S6 is operable to perform the step of displaying the items belonging to the selected subcategory in a listing presented in the third display screen.</p> <p>The pre-installed Music application on the Samsung Galaxy S6 displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Green Hill Celtic Music Sampler 2014” album in the second display screen, the Music application displays a third display screen containing the music tracks stored on the Samsung Galaxy S6 belonging to the selected album.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 7 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.</p> |
| <p>(e) accessing at least one track based on a selection made in one of the display screens.</p> | <p>The Samsung Galaxy S6 is operable to perform the step of accessing at least one track based on a selection made in one of the display screens.</p> <p>The pre-installed Music application on the Samsung Galaxy S6 will access a track, for example playing a track based on a selection made in one of the display screens. For example, when the user selects the track “Si Bheag, Si Mhor” on the third display screen, the “Si Bheag, Si Mhor” track begins playing.</p> |

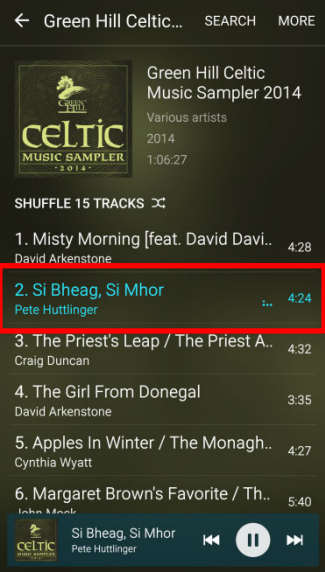
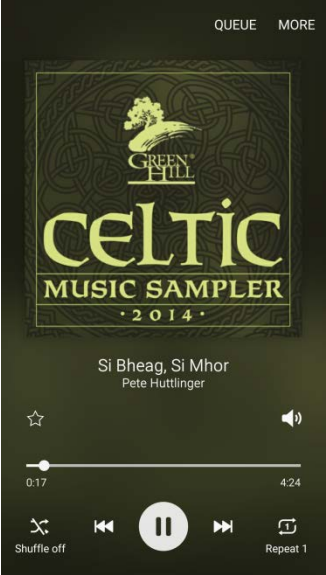
| '433 Claims | Samsung Galaxy S6 |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Green Hill Celtic Music Sampler 2014 Various artists 2014 1.06.27</p> <p>SHUFFLE 15 TRACKS</p> <ol style="list-style-type: none">1. Misty Morning [feat. David Davi.. 4:28 David Arkenstone2. Si Bheag, Si Mhor 4:24 Pete Huttlinger3. The Priest's Leap / The Priest A.. 4:32 Craig Duncan4. The Girl From Donegal 3:35 David Arkenstone5. Apples In Winter / The Monagh.. 4:27 Cynthia Wyatt6. Margaret Brown's Favorite / Th.. 5:40 Intra A. Brown <p>Si Bheag, Si Mhor Pete Huttlinger</p> |

Fig. 8 – Selecting the “Si Bheag, Si Mhor” track results in playing the selected track.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 9 – Once selected, the track “Si Bheag, Si Mhor” begins playing.</p> |
| <p>2. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> | <p>The Samsung Galaxy S6 is operable to perform the step of accessing at least one track by selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> <p>After selecting a subcategory from the second screen, the pre-installed Music application on the Samsung Galaxy S6 is operable to play a plurality of tracks associated with the selected category when a track is already playing. For example, with at least one track currently playing, the Samsung Galaxy S6 allows a user to tap and hold on an album to select that album. The Samsung Galaxy S6 allows a user to then tap the “ADD” button followed by the “Queue” button to add the tracks of that album to the active queue list of songs that is currently being played. The tracks on the active queue list of songs that is currently being played will play sequentially.</p> <p>See discussion for claim 1.</p> |

'433 Claims

Samsung Galaxy S6

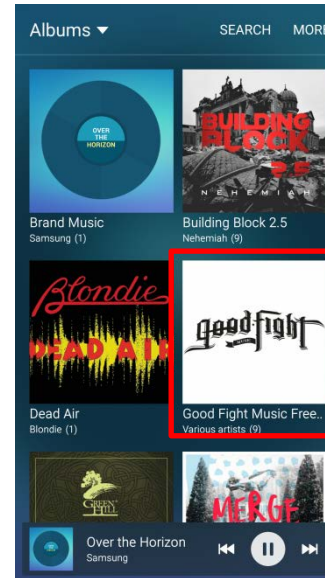


Fig. 10 – On the second display screen, holding down on an album presents the option of designating one or more albums.

'433 Claims

Samsung Galaxy S6

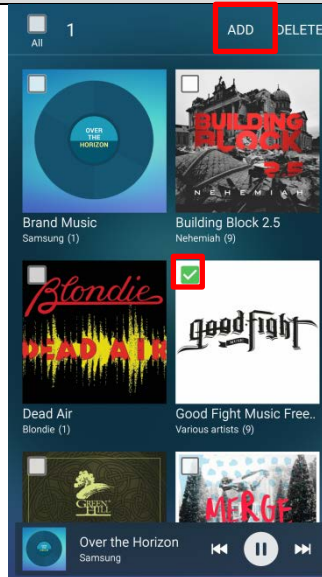
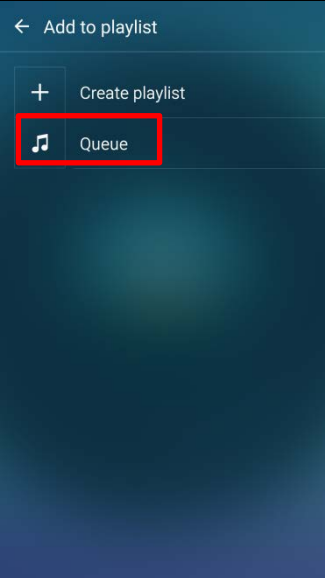


Fig. 11 – The album “Good Fight Music Free” is designated and the “ADD” button is pressed.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 12 – “Queue” is selected.</p> |

'433 Claims

Samsung Galaxy S6

Text bubble indicates tracks have been added to the queue.

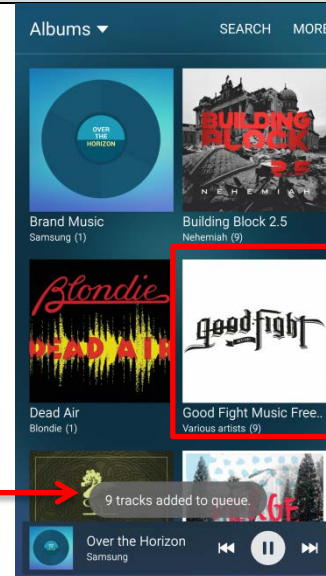


Fig. 13 – All tracks from the selected album are added to the queue. The same album is then tapped.

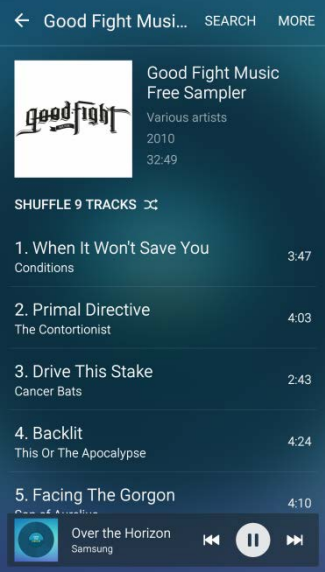
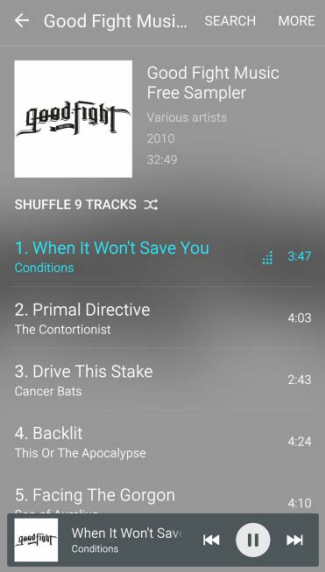
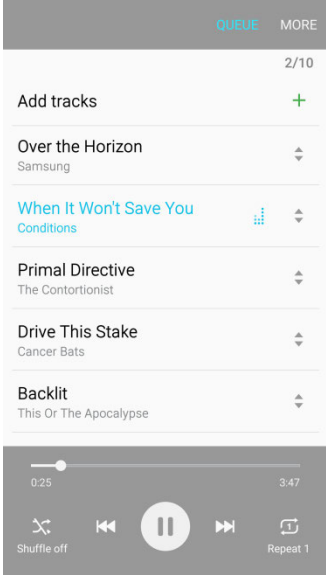
| '433 Claims | Samsung Galaxy S6 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows a music player interface on a Samsung Galaxy S6. At the top, there is a navigation bar with a back arrow, the text 'Good Fight Musi...', and 'SEARCH' and 'MORE' options. Below this is the album cover for 'Good Fight Music Free Sampler' by 'Various artists', released in 2010, with a total duration of 32:49. A 'SHUFFLE 9 TRACKS' button is visible. The track list includes:</p> <ul style="list-style-type: none"> 1. When It Won't Save You (Conditions) - 3:47 2. Primal Directive (The Contortionist) - 4:03 3. Drive This Stake (Cancer Bats) - 2:43 4. Backlit (This Or The Apocalypse) - 4:24 5. Facing The Gorgon - 4:10 <p>At the bottom, a playback control bar shows the current track 'Over the Horizon' by 'Samsung' with play/pause, previous, and next track buttons.</p> |

Fig. 14 – The third display screen displays the tracks from the album.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 15 – The tracks in the selected album begin to play.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 16 – When the first track from the selected album ends, the second track begins to play.</p> |
| <p>3. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the step of accessing at least one track by selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Music application on the Samsung Galaxy S6 is operable to add a plurality of tracks associated with the selected category to a playlist. For example, with at least one track currently playing, the Samsung Galaxy S6 allows a user to tap and hold on an album to select that album. The Samsung Galaxy S6 allows a user to then tap the “ADD” button followed by the “Queue” button to add the tracks of that album to the queue of currently playing music.</p> <p>See discussion for claims 1 and 2.</p> |

'433 Claims

Samsung Galaxy S6

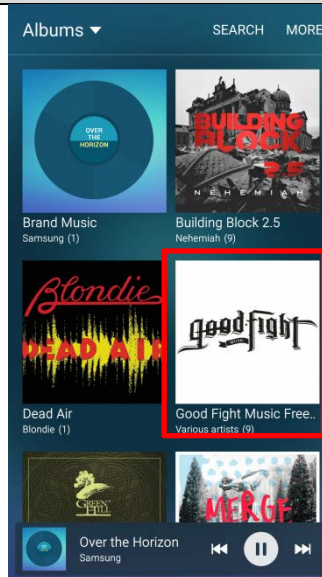


Fig. 17 – On the second display screen, holding down on an album presents the option of designating one or more albums.

'433 Claims

Samsung Galaxy S6

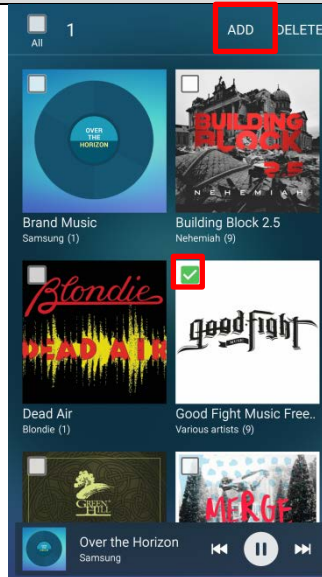
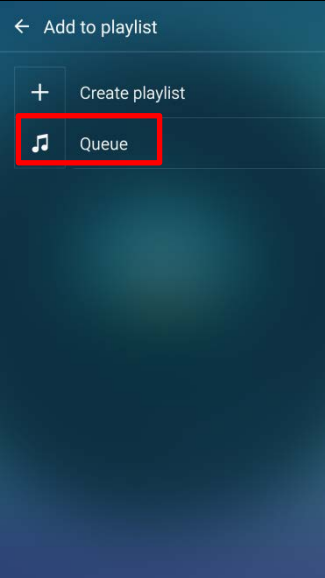
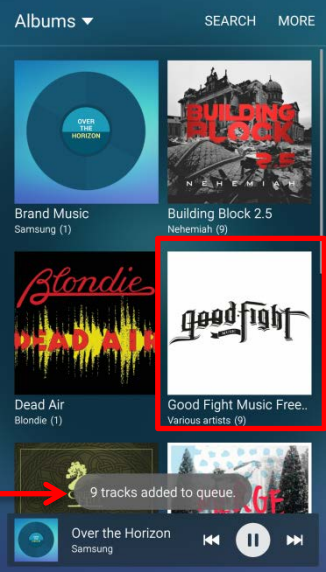


Fig. 18 – The album “Good Fight Music Free” is designated and the “ADD” button is pressed.

| '433 Claims | Samsung Galaxy S6 |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 19 – “Queue” is selected.</p> |

'433 Claims

Samsung Galaxy S6



The screenshot shows the Samsung Music app interface. At the top, it says 'Albums' with a dropdown arrow, 'SEARCH', and 'MORE'. Below this are several album covers: 'Brand Music' by Samsung (1), 'Building Block 2.5' by Nehemiah (9), 'Dead Air' by Blondie (1), and 'Good Fight Music Free...' by Various artists (9). The 'Good Fight Music Free...' album cover is highlighted with a red rectangular box. A red arrow points from a text bubble to the bottom of this box. At the bottom of the screen, a notification bar says '9 tracks added to queue.' Below that, the 'Over the Horizon' album by Samsung is shown with playback controls (play/pause, skip back, skip forward).

Text bubble indicates tracks have been added to the queue.

Fig. 20 – All tracks from the selected album are added to the queue. The same album is then tapped.

'433 Claims

Samsung Galaxy S6

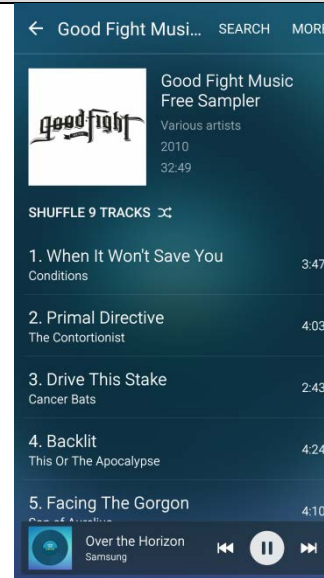


Fig. 21 – The third display screen displays the tracks from the album.

'433 Claims **Samsung Galaxy S6**

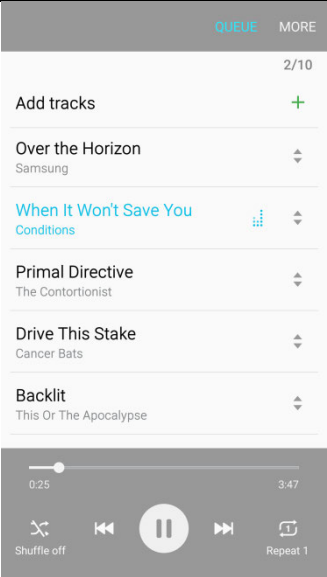


Fig. 22 – The tracks from the selected album have been added to the active queue list of songs.

As another example, the Samsung Galaxy S6 allows a user to tap and hold on an album to select that album. The Samsung Galaxy S6 allows a user to then tap the “ADD” button followed by the “Create playlist” button to add the tracks of that album to a new playlist. The Samsung Galaxy S6 will then display the tracks in the new playlist, which are all of the tracks of the selected album.

See discussion for claims 1 and 2.

'433 Claims

Samsung Galaxy S6

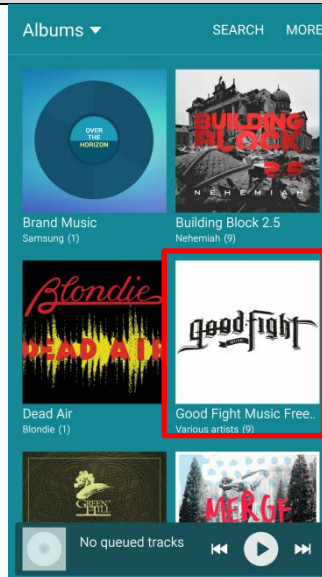


Fig. 23 – On the second display screen, holding down on an album presents the option of designating one or more albums.

'433 Claims

Samsung Galaxy S6

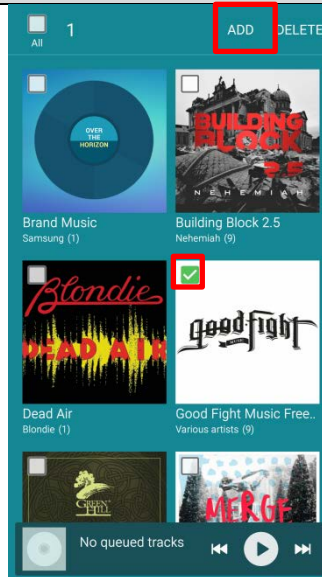



Fig. 24 – The album “Good Fight Music Free” is designated and the “ADD” button is pressed.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 25 – “Create playlist” is selected.</p> |

'433 Claims

Samsung Galaxy S6

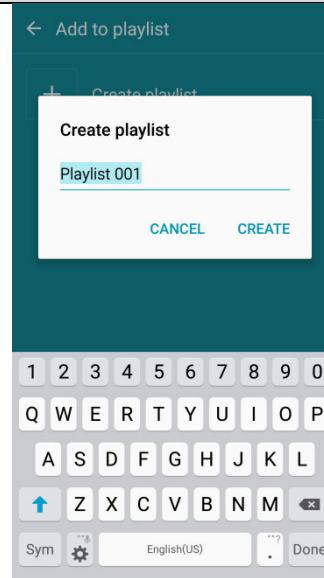
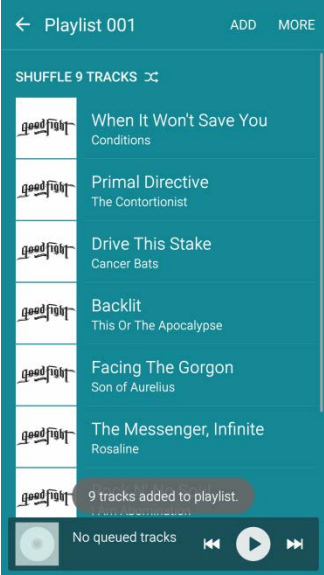
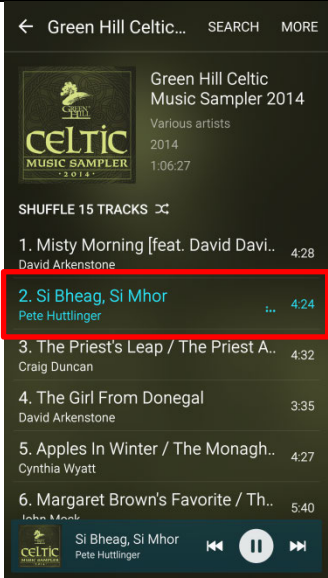


Fig. 26 – The device then allows the user to input a title for the playlist.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 27 – A new playlist is created, and the next screen displays the tracks associated with the playlist, which are all of the tracks of the selected album.</p> |
| <p>5. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the step of accessing at least one track by selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Music application on the Samsung Galaxy S6 is operable to add a track associated with the selected subcategory to a playlist. For example, the Samsung Galaxy S6 allows a user to select an album from the second display screen, and then from the third display screen the Samsung Galaxy S6 allows a user to select a track from that album resulting in all of the tracks from the album being added to the queue.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Green Hill Celtic Music Sampler 2014 Various artists 2014 1:06:27</p> <p>SHUFFLE 15 TRACKS</p> <ol style="list-style-type: none"> Misty Morning [feat. David Davi... 4:28 David Arkenstone Si Bheag, Si Mhor 4:24 Pete Huttlinger The Priest's Leap / The Priest A... 4:32 Craig Duncan The Girl From Donegal 3:35 David Arkenstone Apples In Winter / The Monagh... 4:27 Cynthia Wyatt Margaret Brown's Favorite / Th... 5:40 Inghin & Mairéad <p>Si Bheag, Si Mhor Pete Huttlinger</p> |
| | <p>Fig. 28 – Selecting the “Si Bheag, Si Mhor” track on the third display screen results in adding all of the tracks from the album to the queue.</p> |

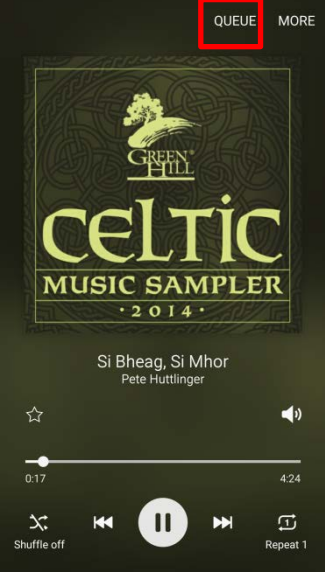
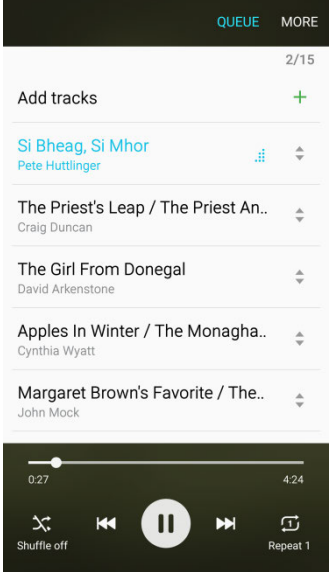
| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows a music player interface on a Samsung Galaxy S6. At the top right, there are two buttons: 'QUEUE' and 'MORE'. The 'QUEUE' button is highlighted with a red rectangular box. Below the album art, the text reads 'Si Bheag, Si Mhor' and 'Pete Hüttlinger'. A progress bar shows 0:17 out of 4:24. At the bottom, there are controls for 'Shuffle off' and 'Repeat 1'.</p> |

Fig. 29 – This can be seen by selecting “Queue” from the top right of the screen.

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 30 – After the track “Si Bheag, Si Mhor” has been selected, all of the tracks from the album have been added to the queue.</p> |
| <p>7. The method of selecting a track as recited in claim 1 wherein the accessing at least one track is made after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> | <p>The Samsung Galaxy S6 is operable to perform the step of accessing at least one track after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> <p>See discussion for claim 1.</p> <p>The Samsung Galaxy S6 allows a user to, instead of (or in addition to) selecting a track on the third display screen, select the back arrow at the top left of the third display screen. The Samsung Galaxy S6 then displays the second display screen again. From the second display screen, the Samsung Galaxy S6 allows a user to tap and hold down on one of the albums. The Samsung Galaxy S6 then allows a user to then select one or more albums. After making a selection of albums, the Samsung Galaxy S6 allows the user to click the add button at the top right to add the album to a playlist.</p> |

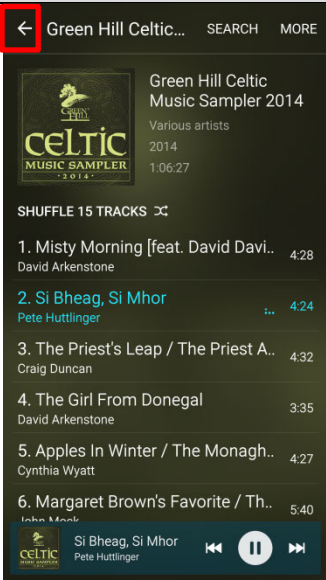
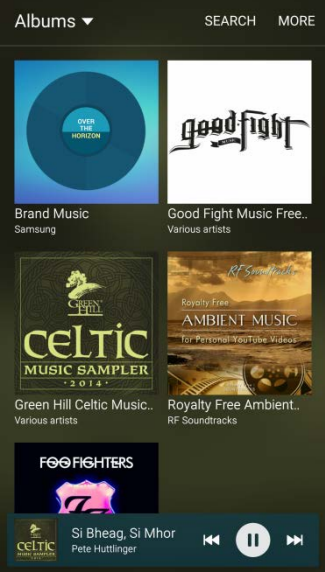
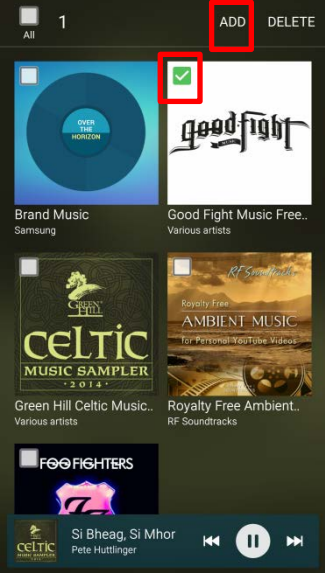
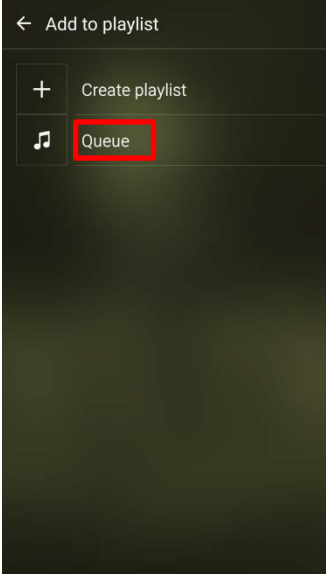
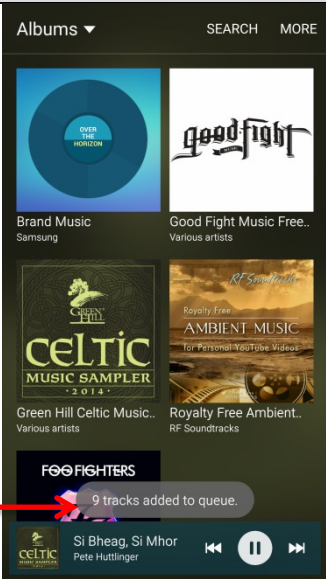
| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows a music player interface on a Samsung Galaxy S6. At the top, there is a navigation bar with a back arrow (highlighted in a red box), the text 'Green Hill Celtic...', and 'SEARCH' and 'MORE' options. Below this is the album cover for 'Green Hill Celtic Music Sampler 2014' by Various artists, released in 2014, with a duration of 1:06:27. A 'SHUFFLE 15 TRACKS' button is visible. The track list includes: 1. Misty Morning [feat. David Davi.. 4:28 by David Arkenstone; 2. Si Bheag, Si Mhor 4:24 by Pete Huttlinger; 3. The Priest's Leap / The Priest A.. 4:32 by Craig Duncan; 4. The Girl From Donegal 3:35 by David Arkenstone; 5. Apples In Winter / The Monagh.. 4:27 by Cynthia Wyatt; 6. Margaret Brown's Favorite / Th.. 5:40 by Ingha M. Brown. The current track is 'Si Bheag, Si Mhor' by Pete Huttlinger, which is paused.</p> |

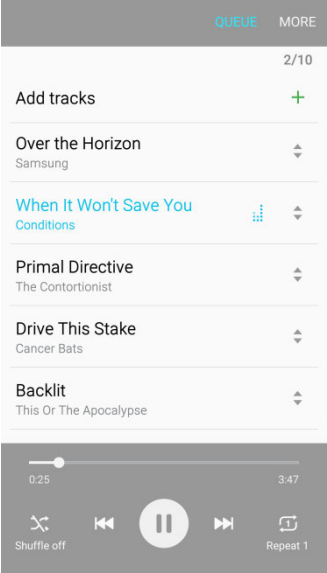
Fig. 31 – On the third display screen, the arrow in the top left of the screen is selected.

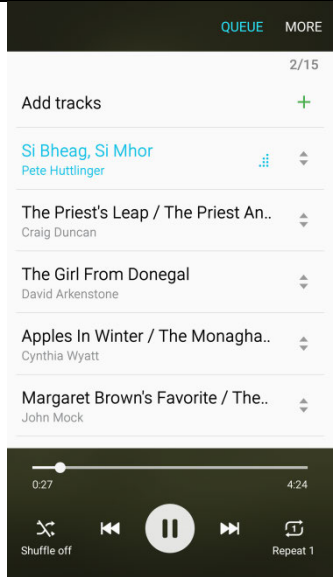
| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 32 – The second display screen is then displayed again.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows the Samsung Music app interface. At the top, there is a header with 'All 1' and two buttons: 'ADD' and 'DELETE'. Below this, a grid of album covers is displayed. The 'ADD' button and a green checkmark on the 'Good Fight Music Free..' album cover are highlighted with red boxes. The album covers include 'Brand Music' by Samsung, 'Good Fight Music Free..' by Various artists, 'celtic MUSIC SAMPLER 2014' by Green Hill Celtic Music., 'Royalty Free Ambient Music' by RF Soundtracks, and 'FOO FIGHTERS'.</p> <p>Fig. 33 – When the user taps and holds one of the albums, the Samsung Galaxy S6 presents the user with the option of designating one or more albums.</p> |

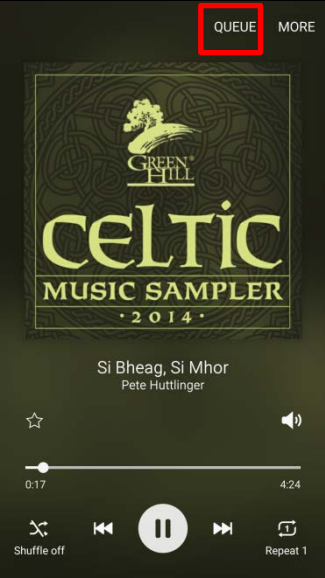
| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 34 – The Samsung Galaxy S6 allows the user to then tap the “ADD” button in the top right to bring up an “Add to playlist menu,” which allows the user to add all of the songs to the queue.</p> |

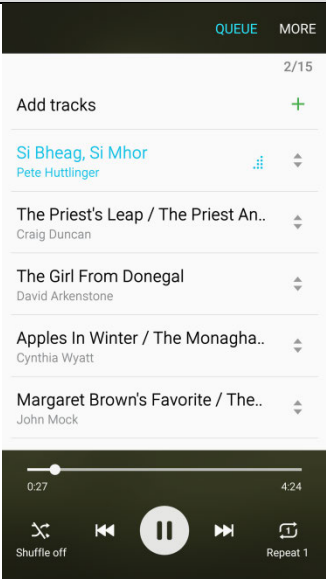
| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Text bubble indicates tracks have been added to the queue.</p> <p>Fig. 35 – All nine tracks of the selected album “Good Fight Music Free” are added to the queue.</p> |
| <p>17. The method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 3.</p> |

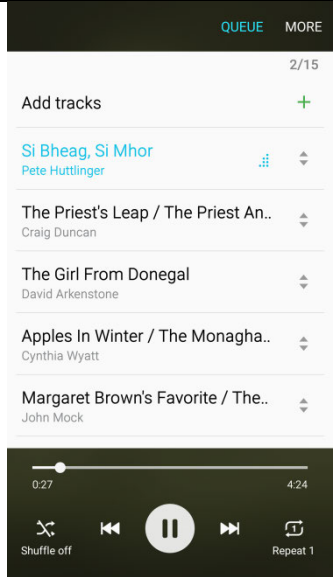
| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 36 – The tracks from the selected album have been added to the active queue list of songs that is currently being played.</p> |
| <p>18. The method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 5.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 37 – All of the tracks associated with the “Green Hill Celtic Music Sampler 2014” album have been added to the active queue list of songs that is currently being played. This can be seen by selecting “Queue” from the top right of the screen, which displays the playlist of currently playing songs.</p> |
| <p>19. The method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> <p>See claim 5.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Green Hill Celtic... SEARCH MORE</p> <p>Green Hill Celtic Music Sampler 2014 Various artists 2014 1.06.27</p> <p>SHUFFLE 15 TRACKS</p> <ol style="list-style-type: none"> 1. Misty Morning [feat. David Davi... 4:28 David Arkenstone 2. Si Bheag, Si Mhor 4:24 Pete Huttlinger 3. The Priest's Leap / The Priest A... 4:32 Craig Duncan 4. The Girl From Donegal 3:35 David Arkenstone 5. Apples In Winter / The Monagh... 4:27 Cynthia Wyatt 6. Margaret Brown's Favorite / Th... 5:40 John & Ann... <p>Si Bheag, Si Mhor Pete Huttlinger</p> |
| | <p>Fig. 38 – Selecting the “Si Bheag, Si Mhor” track on the third display screen results in adding all of the tracks associated with the same album from the third display screen to the queue.</p> |

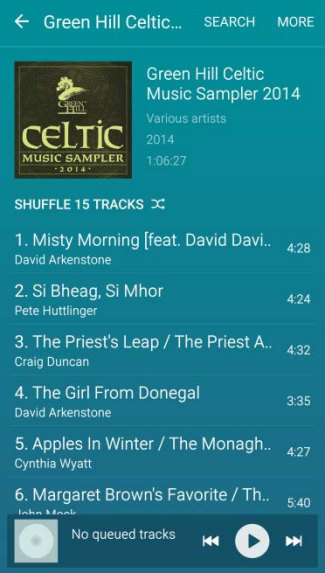
| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 39 – This can be seen by selecting “Queue” from the top right of the screen, which displays the playlist of currently playing songs.</p> |

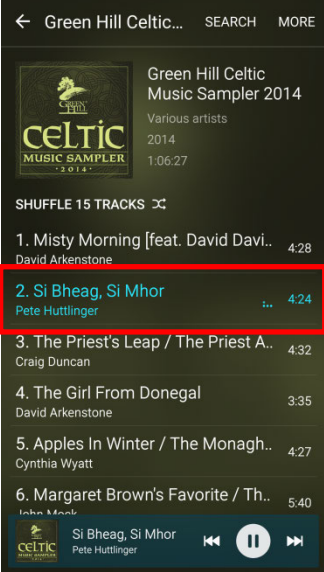
| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 40 – The queue screen shows that all of the tracks associated with the “Green Hill Celtic Music Sampler 2014” album have been added to the queue.</p> |
| <p>20. The method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 19.</p> |

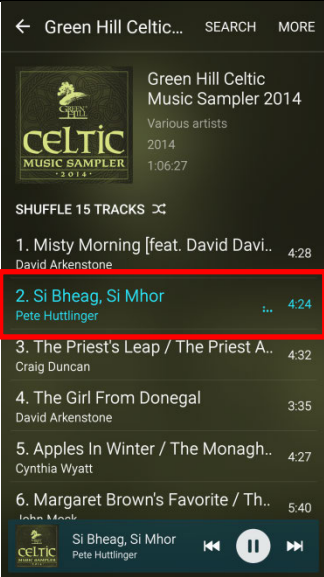
| '433 Claims | Samsung Galaxy S6 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the Samsung Music app interface on a Samsung Galaxy S6. At the top right, there are two tabs: 'QUEUE' (selected) and 'MORE'. Below the tabs, it shows '2/15' tracks in the queue. The first track is 'Si Bheag, Si Mhor' by Pete Hüttinger. Below it are five other tracks: 'The Priest's Leap / The Priest An..' by Craig Duncan, 'The Girl From Donegal' by David Arkenstone, 'Apples In Winter / The Monagha..' by Cynthia Wyatt, and 'Margaret Brown's Favorite / The..' by John Mock. At the bottom, there is a playback control bar with a progress slider (0:27 / 4:24), a 'Shuffle off' button, a play/pause button, and a 'Repeat 1' button.</p> <p>Fig. 41 – All of the tracks associated with the “Green Hill Celtic Music Sampler 2014” album have been added to the active queue list of songs that is currently being played. This can be seen by selecting “Queue” from the top right of the screen, which displays the playlist of currently playing songs.</p> |
| <p>21. The method of selecting a track as recited in claim 5 where in the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> | <p>Not currently asserted against Samsung “Music” app.</p> |
| <p>22. The method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is</p> | <p>Not currently asserted against Samsung “Music” app.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| currently being played. | |
| 23. The method of selecting a track as recited in claim 1 wherein: | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| (a) the category album is selected in the first display screen from available categories that include at least artist and album; | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist and album.</p> <p>See discussion for claim 1.</p> <div> </div> <p>Fig. 42 – The first display screen displays categories, including “Albums,” “Artists,” and “Genres.” “Albums” is selected.</p> |
| (b) the subcategories listed in the second display screen comprise a listing of album | The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and |

| '433 Claims | Samsung Galaxy S6 |
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| <p>names and one of the album names is selected; and</p> | <p>one of the album names is selected.</p> <p>See discussion for claim 1.</p> <div> </div> <p>Fig. 43 – After selecting “Albums,” the second display screen displays albums stored on the device. The album “Green Hill Celtic Music Sampler 2014” is selected.</p> |
| <p>(c) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claims 1 and 3.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows a music player interface on a Samsung Galaxy S6. At the top, there is a navigation bar with a back arrow, the text 'Green Hill Celtic...', and 'SEARCH' and 'MORE' options. Below this is the album cover for 'Green Hill Celtic Music Sampler 2014' by Various artists, with a duration of 1:06:27. A 'SHUFFLE 15 TRACKS' button is visible. The track list includes:</p> <ul style="list-style-type: none"> 1. Misty Morning [feat. David Davi... 4:28 by David Arkenstone 2. Si Bheag, Si Mhor 4:24 by Pete Huttlinger 3. The Priest's Leap / The Priest A... 4:32 by Craig Duncan 4. The Girl From Donegal 3:35 by David Arkenstone 5. Apples In Winter / The Monagh... 4:27 by Cynthia Wyatt 6. Margaret Brown's Favorite / Th... 5:40 by Inghar & Brown <p>At the bottom, there is a playback control bar with a play button, 'No queued tracks', and skip buttons.</p> |
| | <p>Fig. 44 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 45 – Selecting the “Si Bheag, Si Mhor” track on the third display screen results in playing the selected track, and all of the tracks from the third display screen are added to the queue.</p> |
| <p>24. The method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Samsung Galaxy S6 is operable to perform the method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 23.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 46 – Selecting the “Si Bheag, Si Mhor” track on the third display screen results in playing the selected track, and all of the tracks from the third display screen are added to the queue.</p> |

| '433 Claims | Samsung Galaxy S6 |
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| |  <p>Fig. 47 – Once selected, the track “Si Bheag, Si Mhor” begins to play from the queue.</p> |

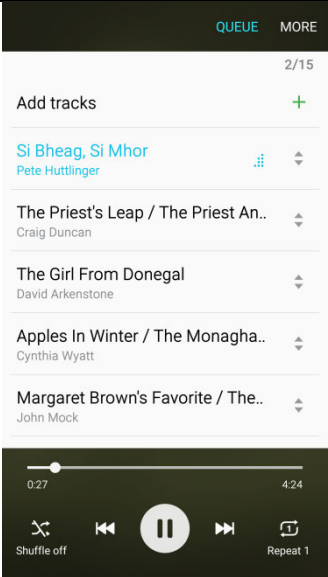
| '433 Claims | Samsung Galaxy S6 |
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| |  <p>The screenshot shows the Samsung Music app's queue interface. At the top, there are 'QUEUE' and 'MORE' options. Below that, a progress indicator shows '2/15' tracks. The queue list includes: 'Add tracks' with a plus icon, 'Si Bheag, Si Mhor' by Pete Huttlinger (highlighted in blue), 'The Priest's Leap / The Priest An..' by Craig Duncan, 'The Girl From Donegal' by David Arkenstone, 'Apples In Winter / The Monagha..' by Cynthia Wyatt, and 'Margaret Brown's Favorite / The..' by John Mock. At the bottom, a playback control bar shows a progress bar from 0:27 to 4:24, a 'Shuffle off' button, a play/pause button, and a 'Repeat 1' button.</p> |
| 25. The method of selecting a track as recited in claim 1 wherein: | Not currently asserted against Samsung "Music" app. |
| (a) the category genre is selected in the first display screen from available categories that include at least artist, album, and genre; | |
| (b) the subcategories listed in the second display screen comprise a listing of a | |

Fig. 48 – All of the tracks associated with the “Green Hill Celtic Music Sampler 2014” album have been added to the queue, with the “Si Bheag, Si Mhor” track playing. When “Si Bheag, Si Mhor” finishes, the next track in the queue will play. This can be seen by selecting “Queue” from the top right of the screen, which displays the active queue list of songs that is currently being played.

| '433 Claims | Samsung Galaxy S6 |
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| plurality of genre types, and one of one genre types is selected; | |
| (c) the items displayed in the third display screen comprise a listing of a plurality of album names associated with the selected genre type, and one of the album names is selected; and | |
| (d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist. | |
| 26. The method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played. | Not currently asserted against Samsung "Music" app. |
| 27. The method of selecting a track as recited in claim 1 wherein: | Not currently asserted against Samsung "Music" app. |
| (a) the category artist is selected in the first display screen from available categories that include at least artist, album, and genre; | |
| (b) the subcategories listed in the second display screen comprise a listing of artist names, and one of the listed artist names is selected; | |
| (c) the items displayed in the third display screen comprise a listing of album names | |

| '433 Claims | Samsung Galaxy S6 |
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| associated with the selected artist name, and one of the listed album names is selected; and | |
| (d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist. | |
| 28. The method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played. | Not currently asserted against Samsung "Music" app. |

EXHIBIT 7

EXHIBIT 7

CLAIM CHART DEMONSTRATING LG'S PRACTICE OF U.S. PATENT NO. 6,928,433

The LG G4 is imported and sold with the Android operating system and the Google Play Music application (Version 5.9.1854R.1904527) pre-installed. All of the accused LG devices that are imported and sold with the Android operating system and the Google Play Music application pre-installed infringe the claims of U.S. Patent No. 6,928,433 set forth below.

| '433 Claims | LG G4 |
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| <p>1. A method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy, the method comprising:</p> | <p>[NOT ASSERTED – CHARTED FOR PURPOSES OF DEPENDENT CLAIMS]</p> <p>To the extent that the preamble is construed to be a limitation to the claim, the LG G4 is operable to perform a method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy.</p> <p>The LG G4 is imported and sold with the Google Play Music application pre-installed, which is operable to access the plurality of tracks according to a hierarchy. The LG G4 is configured to present sequentially a first display screen (showing categories such as “Albums,” “Artists,” and “Genres”); a second display screen (depending on the selected category, showing a listing of subcategories such as albums, artists, or genres represented in the music tracks stored on the LG G4); and a third display screen (showing a listing of tracks corresponding to the selection made on the second display screen).</p> <p>The following three screenshots demonstrate a navigation through a first, second, and third display screens respectively.</p> |

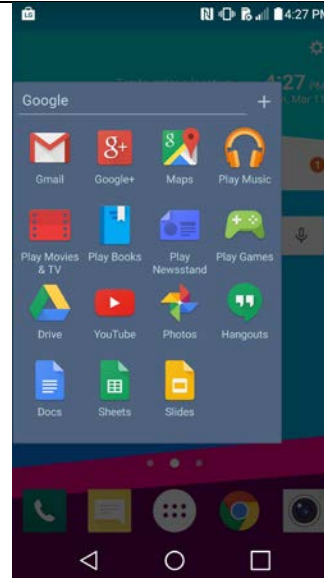


Fig. 1 – Selecting the “Play Music” icon launches the preinstalled “Play Music” application.

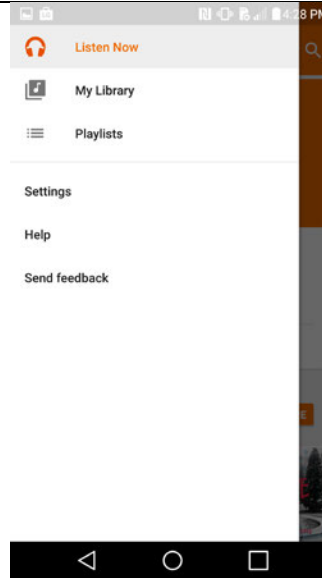


Fig. 2 – The music app has two modes: “Listen Now” and “My Library.” The “My Library” mode permits a user to navigate through music stored on the device.

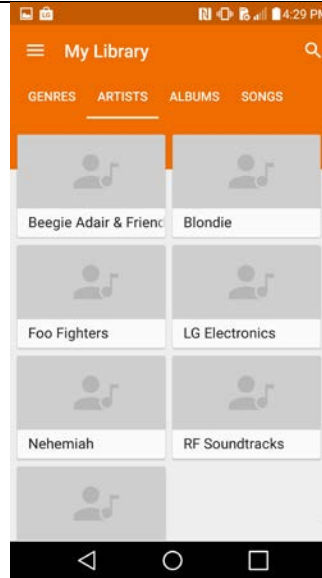


Fig. 3 – After selecting “My Library,” the first display screen displays categories, including “Albums,” “Artists,” and “Genres.”

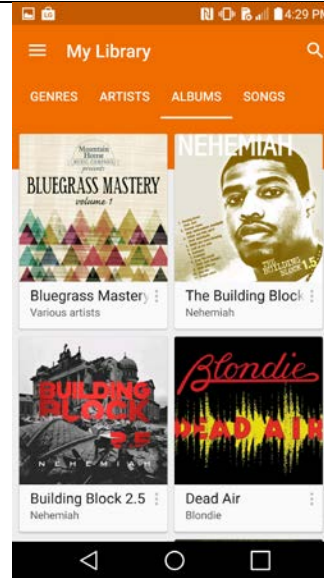
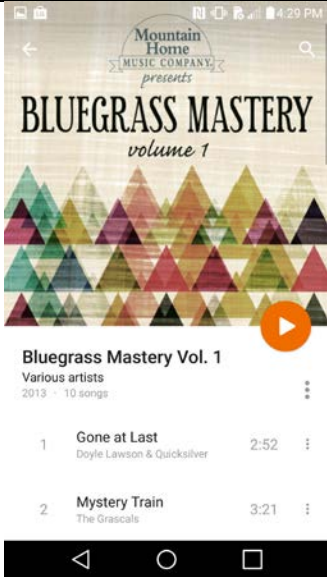
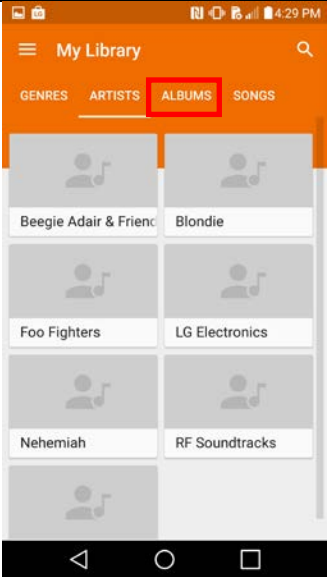
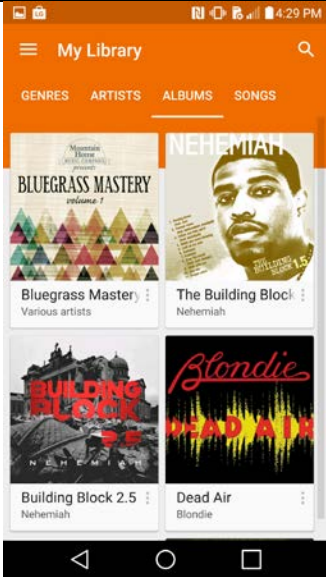


Fig. 4 – After selecting “Albums,” the second display screen displays albums stored on the device.

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| |  <p>Fig. 5 – After selecting an album, the third display screen displays tracks stored on the device associated with the selected album.</p> |
| <p>(a) selecting a category in the first display screen of the portable media player;</p> | <p>The LG G4 is operable to perform the step of selecting a category in the first display screen of the portable media player.</p> <p>The pre-installed Play Music application on the LG G4 allows a user to select a category in the first display screen. The category options include “Genres,” “Artists,” “Albums,” and “Songs.”</p> |

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| |  <p>The screenshot shows a mobile application interface titled 'My Library'. At the top, there are four navigation tabs: 'GENRES', 'ARTISTS', 'ALBUMS', and 'SONGS'. The 'ALBUMS' tab is highlighted with a red box. Below the tabs, there is a grid of album covers. The visible album names are: 'Beegie Adair & Friend', 'Blondie', 'Foo Fighters', 'LG Electronics', 'Nehemiah', and 'RF Soundtracks'. The bottom of the screen shows the standard Android navigation bar with back, home, and recent apps buttons.</p> |
| <p>(b) displaying the subcategories belonging to the selected category in a listing presented in the second display screen;</p> | <p>Fig. 6 – In this example, the category “Albums” is selected.</p> <p>The LG G4 is operable to perform the step of displaying the subcategories belonging to the selected category in a listing presented in the second display screen.</p> <p>The pre-installed Play Music application on the LG G4 displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Albums” category in the first display screen, the Music application displays a second display screen containing album names.</p> |

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| |  <p>Fig. 7 – After selecting “Albums,” the second display screen displays albums stored on the device.</p> |
| <p>(c) selecting a subcategory in the second display screen;</p> | <p>The LG G4 is operable to perform the step of selecting a subcategory in the second display screen.</p> <p>The pre-installed Play Music application on the LG G4 allows a user to select a subcategory in the second display screen. For example, if the user selected the “Albums” category in the first display screen, a user can select an album from the albums displayed on the second display screen.</p> |


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| |  <p>Fig. 8 – In this example, the album “Bluegrass Mastery Vol. 1” is selected from this list of albums.</p> |
| <p>(d) displaying the items belonging to the selected subcategory in a listing presented in the third display screen; and</p> | <p>The LG G4 is operable to perform the step of displaying the items belonging to the selected subcategory in a listing presented in the third display screen.</p> <p>The pre-installed Play Music application on the LG G4 displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Bluegrass Mastery Vol. 1” album in the second display screen, the Music application displays a third display screen containing the music tracks stored on the LG G4 belonging to the selected album.</p> |



Fig. 9 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.

(e) accessing at least one track based on a selection made in one of the display screens.

The LG G4 is operable to perform the step of accessing at least one track based on a selection made in one of the display screens.

The pre-installed Play Music application on the LG G4 will access a track, for example playing a track based on a selection made in one of the display screens. For example, when the user selects the track “Mystery Train” on the third display screen, the “Mystery Train” track begins playing.



Fig. 10 – Selecting the “Mystery Train” track results in playing the selected track.



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| | <p>Fig. 11 – Once selected, the track “Mystery Train” begins playing.</p> |
| <p>2. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> | <p>The LG G4 is operable to perform the step of accessing at least one track by selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the LG G4 is operable to play a plurality of tracks associated with the selected category. For example, the LG G4 allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The LG G4 then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of songs that is currently being played. The tracks added to the active queue list of songs that is currently being played will play sequentially.</p> <p>See discussion for claim 1.</p> <div> </div> <p>Fig. 12 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”</p> |

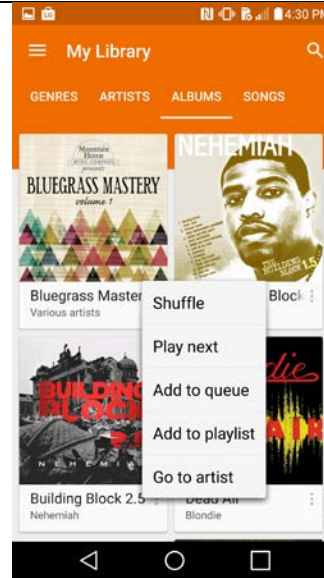


Fig. 13 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

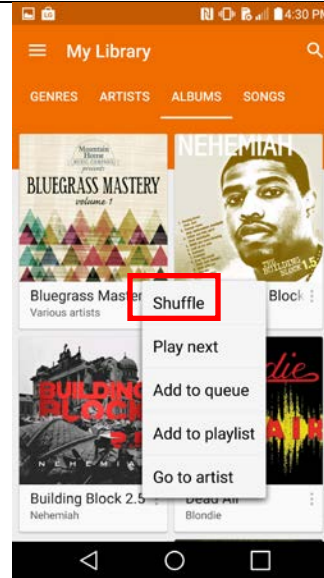
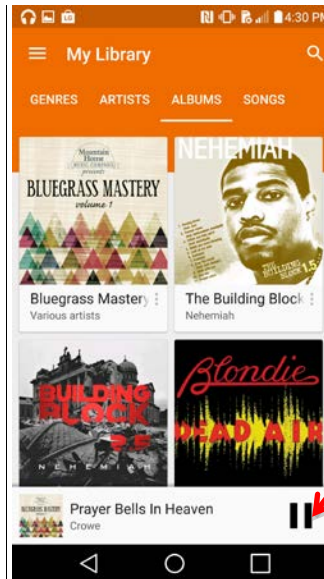


Fig. 14 – “Shuffle” is selected.



Track begins to play.

Fig. 15 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.



Fig. 16 – The same album is then tapped.



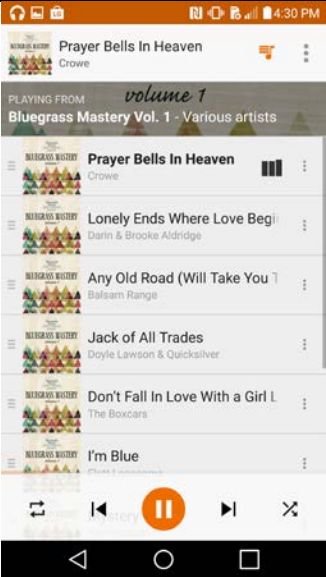
Fig. 17 – The third display screen displays the tracks from the album.



Fig. 18 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.



Fig. 19 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

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| |  <p>Fig. 20 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>3. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> | <p>The LG G4 is operable to perform the step of accessing at least one track by selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the LG G4 is operable to add a plurality of tracks associated with the selected category to a playlist. For example, the LG G4 allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The LG G4 then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of currently playing music.</p> <p>See discussion for claims 1 and 2.</p> |

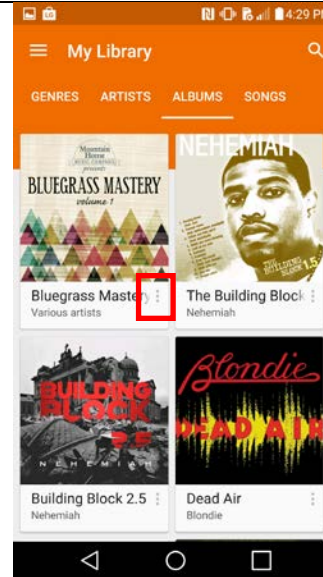


Fig. 21 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

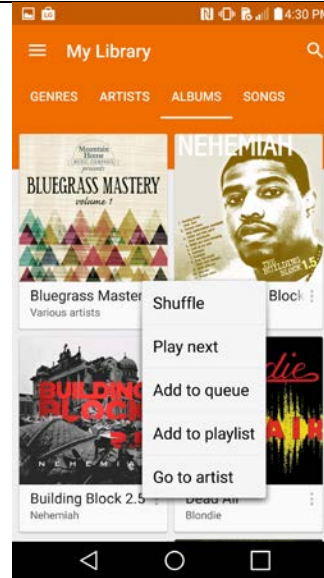


Fig. 22 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

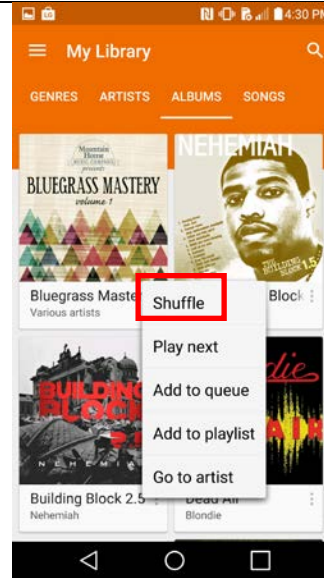
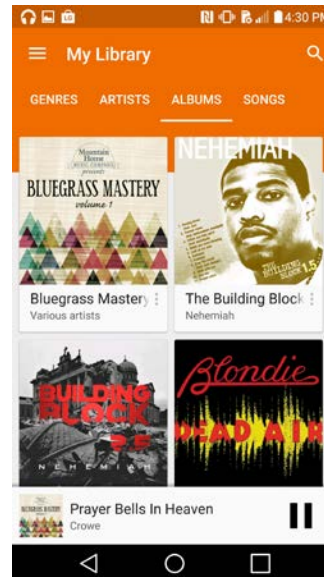


Fig. 23 – “Shuffle” is selected.



Track begins to play.

Fig. 24 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

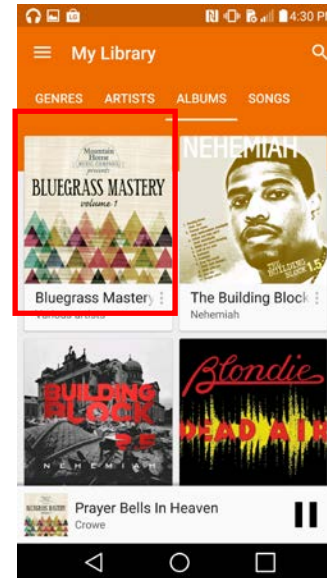


Fig. 25 – The same album is then tapped.



Fig. 26 – The third display screen displays the tracks from the album.



Fig. 27 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.



Fig. 28 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

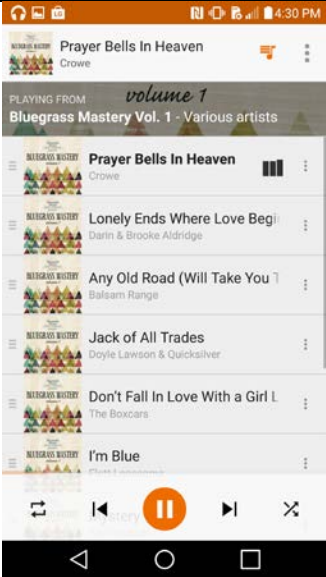
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| |  <p>Fig. 29 – The queue shows that all of the tracks from the album have been added to the queue.</p> |
| <p>5. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> | <p>The LG G4 is operable to perform the step of accessing at least one track by selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the LG G4 is operable to add a track associated with the selected subcategory to a playlist. For example, the LG G4 allows a user to select an album from the second display screen, and then from the third display screen the LG G4 allows a user to select a track from that album resulting in all of the tracks from the album being added to the queue.</p> <p>See discussion for claim 1.</p> |



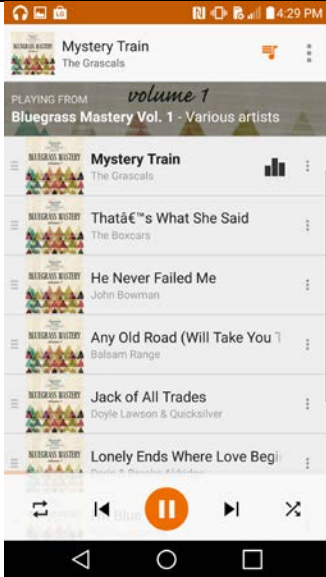
Fig. 30 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.



Fig. 31 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.



Fig. 32 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

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| |  <p>Fig. 33 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>7. The method of selecting a track as recited in claim 1 wherein the accessing at least one track is made after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> | <p>The LG G4 is operable to perform the step of accessing at least one track after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> <p>See discussion for claims 1 and 2.</p> <p>The LG G4 allows a user to, instead of (or in addition to) selecting a track on the third display screen, select the back arrow at the top left of the third display screen. The LG G4 then displays the second display screen again. From the second display screen, the LG G4 allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The LG G4 then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of currently playing music.</p> |

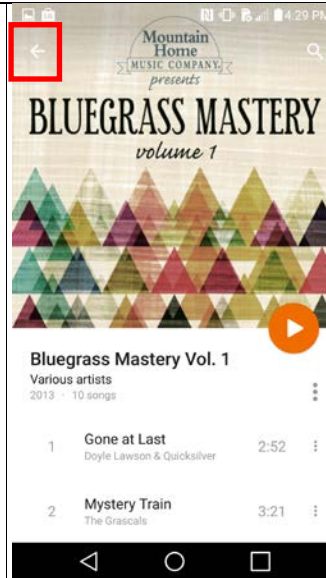


Fig. 34 – On the third display screen, the arrow in the top left of the screen is selected.

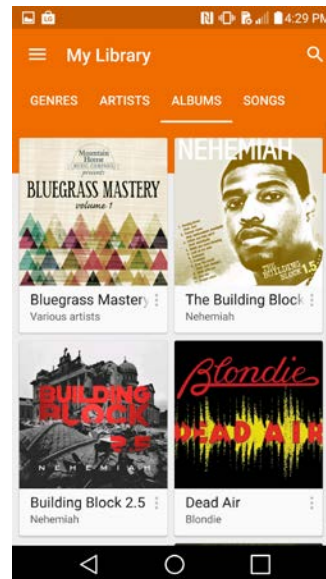


Fig. 35 – The second display screen is then displayed again.

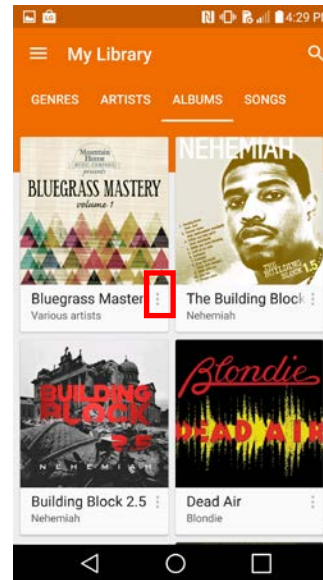


Fig. 36 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

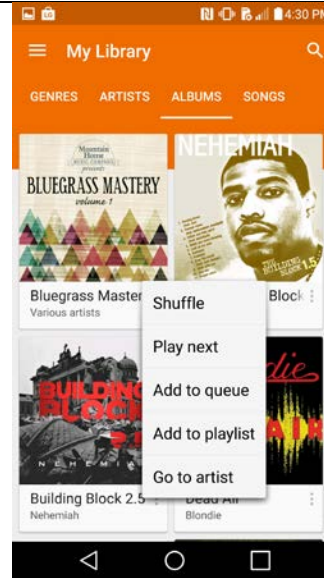


Fig. 37 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

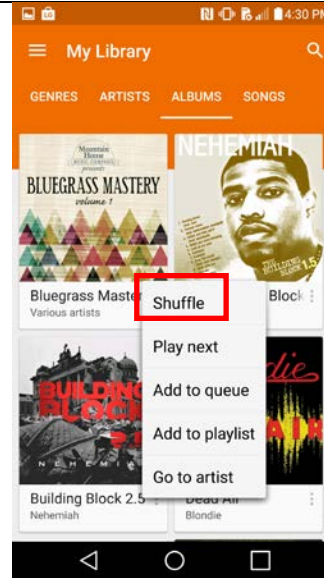
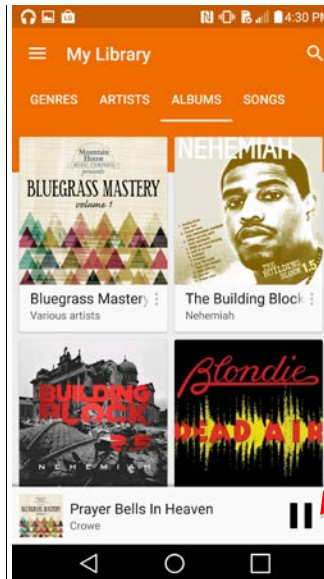


Fig. 38 – “Shuffle” is selected.



Track begins to play.

Fig. 39 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

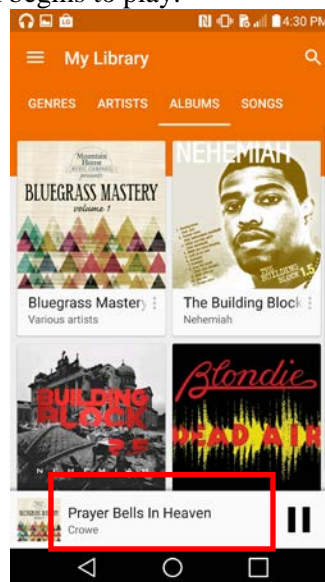
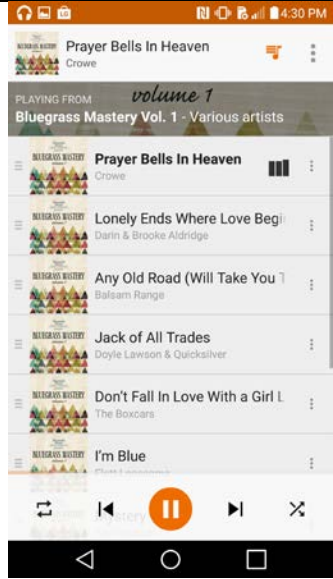
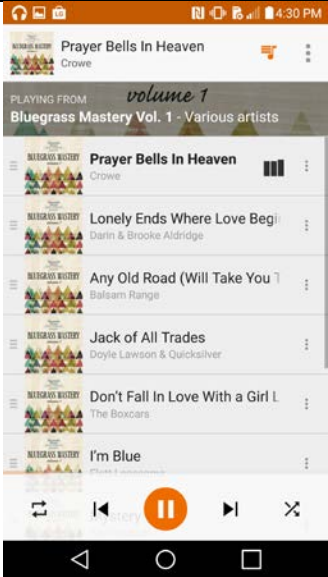


Fig. 40 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.



Fig. 41 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

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| |  <p>Fig. 42 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>17. The method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 3.</p> |

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| |  <p>Fig. 43 – The tracks from the selected album have been added to the active queue list of songs that is currently being played.</p> |
| <p>18. The method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 5.</p> |

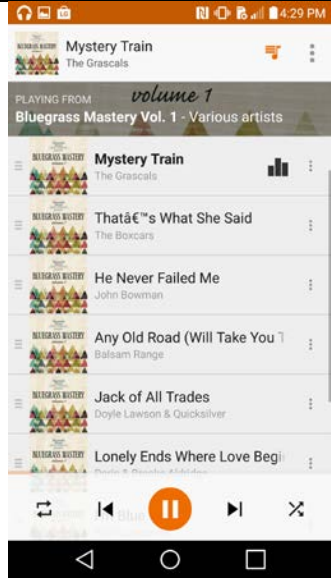
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| |  <p>The screenshot shows a mobile music application interface. At the top, the status bar displays the time as 4:29 PM. The main header shows the album title 'Mystery Train' by 'The Grascals'. Below this, it indicates the album is 'PLAYING FROM volume 1' of 'Bluegrass Mastery Vol. 1 - Various artists'. A list of tracks is displayed, including 'Mystery Train', 'That's What She Said', 'He Never Failed Me', 'Any Old Road (Will Take You)', 'Jack of All Trades', and 'Lonely Ends Where Love Begi'. At the bottom, there is a playback control bar with a large orange pause button in the center, and other controls like play/pause, stop, and shuffle.</p> |
| <p>19. The method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> <p>See claim 5.</p> |



Fig. 45 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.



Track begins to play.

Fig. 46 – Once selected, the track “Mystery Train” begins playing from the queue. All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

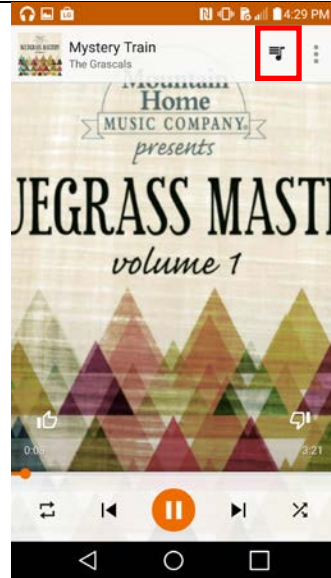
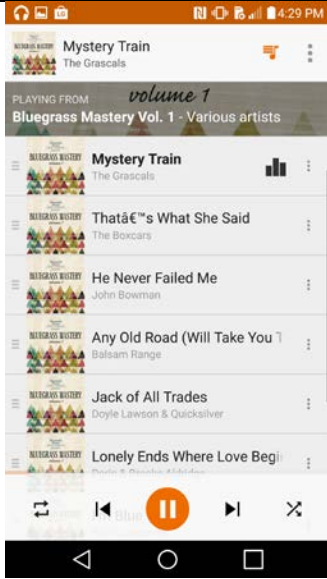
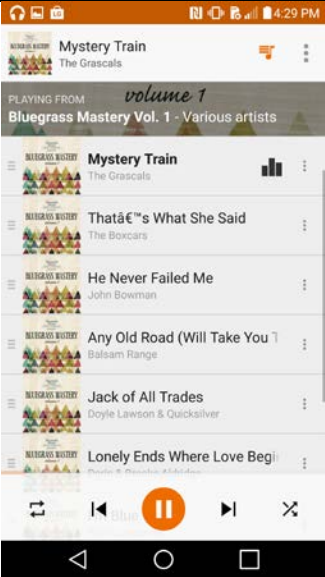


Fig. 47 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

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| |  <p>Fig. 48 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>20. The method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 19.</p> |

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| |  <p>Fig. 49 – All of the tracks associated with the “Blue Grass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.</p> |
| <p>21. The method of selecting a track as recited in claim 5 where in the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> <p>See claim 5.</p> <p>For example, if on the first display screen the “Genres” category is selected and a genre is selected on the second display screen, the LG G4 displays albums on the third display screen. The LG G4 then allows a user to select an album name and select shuffle, which adds all of the tracks associated with the selected album name to the active queue list of songs that is currently being played.</p> |

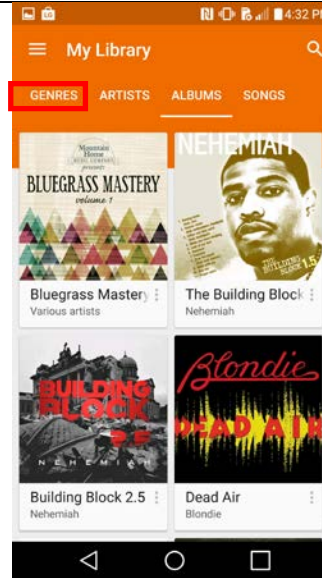


Fig. 50 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.

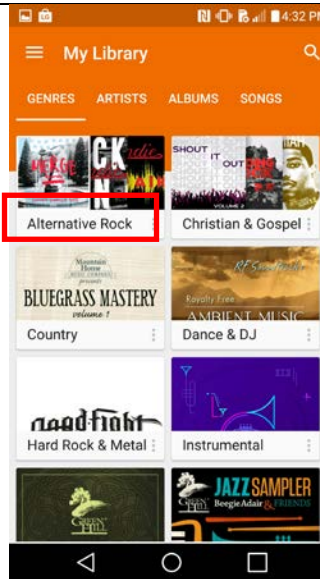


Fig. 51 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.

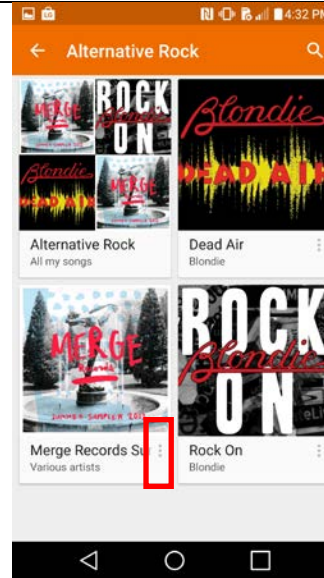


Fig. 52 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

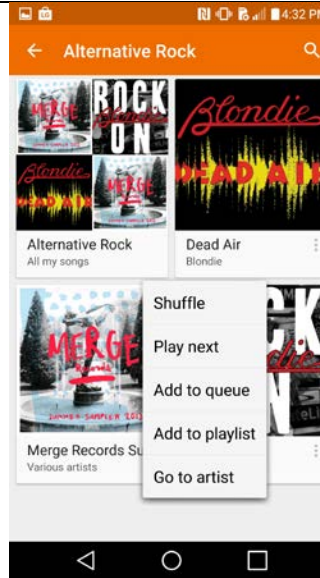


Fig. 53 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

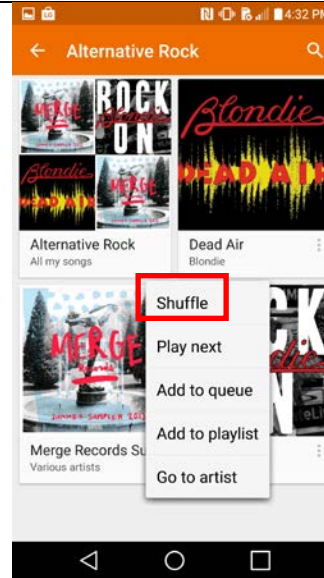
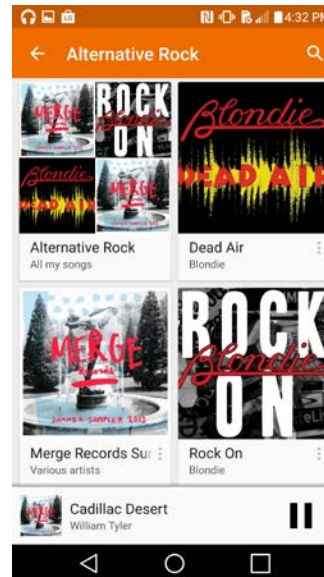


Fig. 54 – “Shuffle” is selected.



Track begins to play.

Fig. 55 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

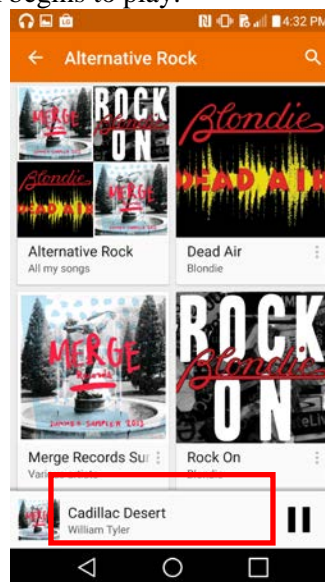



Fig. 56 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.



Fig. 57 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

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| |  <p>Fig. 58 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>22. The method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 21.</p> |

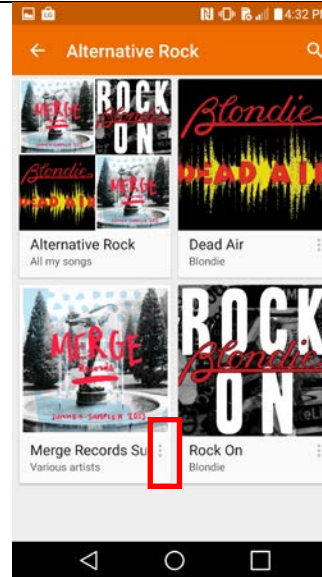


Fig. 59 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

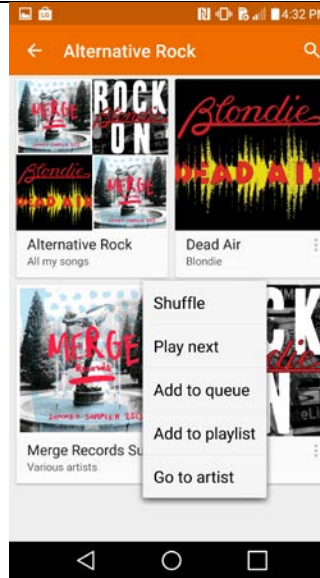


Fig. 60 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

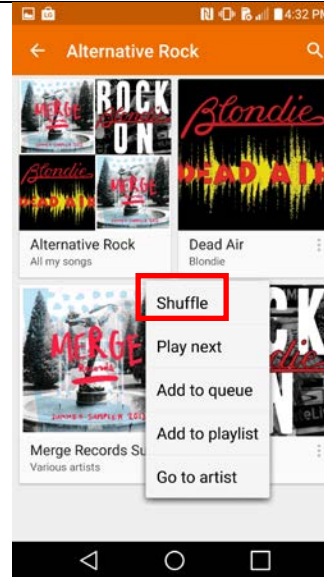
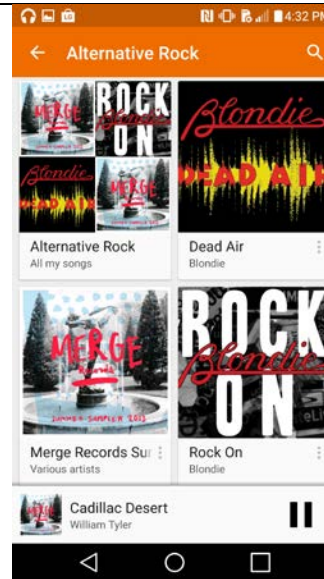


Fig. 61 – “Shuffle” is selected.



Track begins to play.

Fig. 62 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

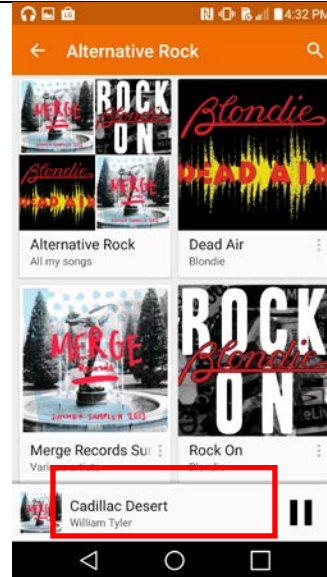

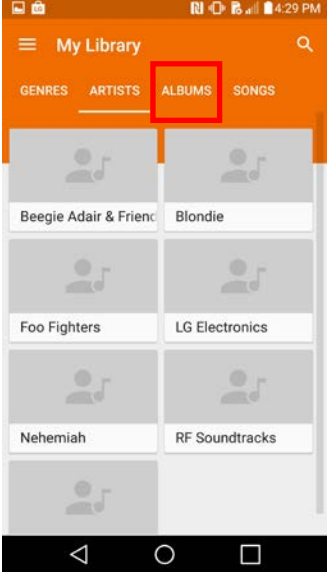


Fig. 63 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.



Fig. 64 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

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| |  <p>Fig. 65 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>23. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 1. See discussion for claim 1.</p> |
| <p>(a) the category album is selected in the first display screen from available categories that include at least artist and album;</p> | <p>The LG G4 is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist and album. See discussion for claim 1.</p> |

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| |  <p>Fig. 66 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Albums” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected; and</p> | <p>The LG G4 is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected. See discussion for claim 1.</p> |

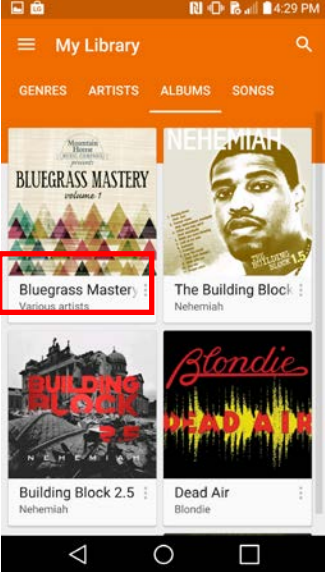
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| |  <p>Fig. 67 – After selecting “Albums,” the second display screen displays albums stored on the device. In this example, the album “Bluegrass Mastery Vol. 1” is selected.</p> |
| <p>(c) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The LG G4 is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claims 1 and 3.</p> |



Fig. 68 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.



Fig. 69 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.



Track begins to play.

Fig. 70 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.

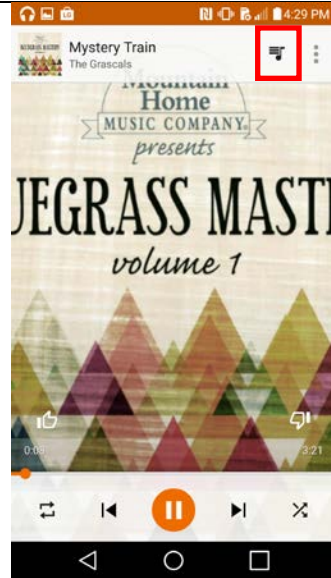


Fig. 71 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

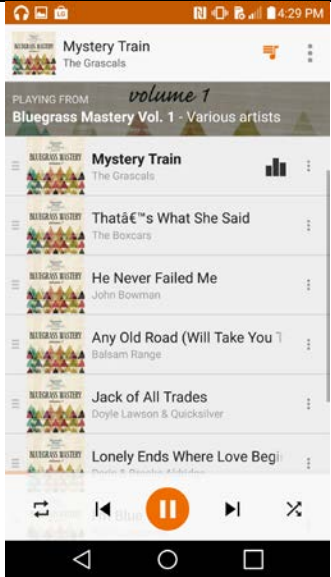
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| |  <p>Fig. 72 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>24. The method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 23.</p> |



Fig. 73 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.



Track begins to play.

Fig. 74 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.

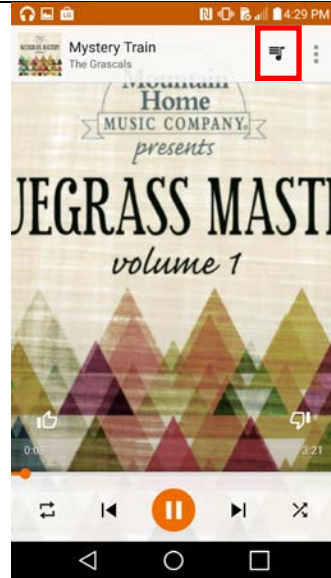
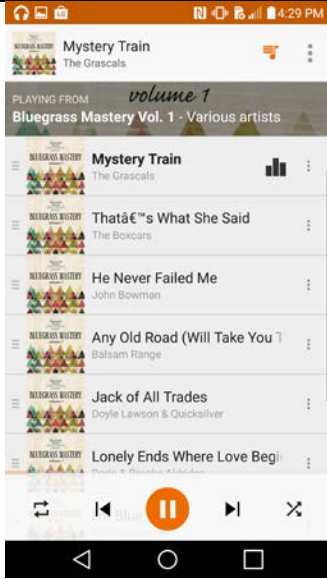
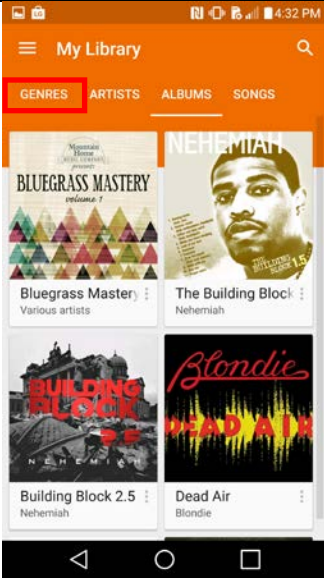


Fig. 75 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

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| |  <p>Fig. 76 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>25. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 1. See discussion for claim 1.</p> |
| <p>(a) the category genre is selected in the first display screen from available categories that include at least artist, album, and genre;</p> | <p>The LG G4 is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist, album, and genre. See discussion for claim 1.</p> |

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| |  <p>Fig. 77 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of a plurality of genre types, and one of one genre types is selected;</p> | <p>The LG G4 is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the LG G4 displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Genres” category in the first display screen, the Music application displays a second display screen containing genre types. The pre-installed Play Music application on the LG G4 then allows a user to select a subcategory in the second display screen, such as “Alternative Rock.”</p> |

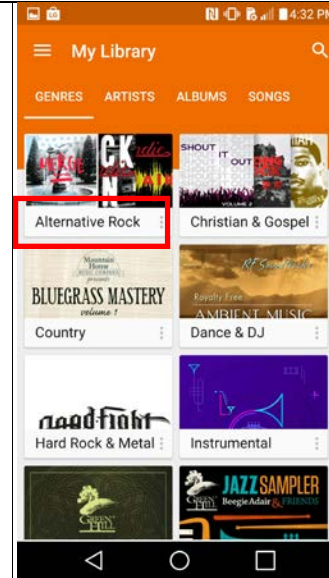


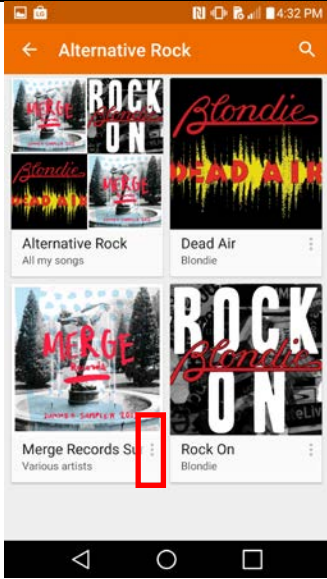
Fig. 78 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.

(c) the items displayed in the third display screen comprise a listing of a plurality of album names associated with the selected genre type, and one of the album names is selected; and

The LG G4 is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected genre type and one of the album names is selected.

See discussion for claim 1.

The pre-installed Play Music application on the LG G4 displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Alternative Rock” genre in the second display screen, the Music application displays a third display screen containing the album names stored on the LG G4 belonging to the selected genre. The pre-installed Play Music application on the LG G4 then allows a user to select an item in the third display screen, such as the album name “Merge Records Summer Sampler 2013.”

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| |  <p>Fig. 79 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.</p> |
| <p>(d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The LG G4 is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the LG G4 is allows a user to select an album name from the third screen and add a plurality of tracks associated with the album name to a playlist. For example, when the user selects the album “Merge Records Summer Sampler 2013” by tapping on the three vertical dots on the bottom right corner of the album and selects “Shuffle,” all of the tracks associated with the selected album name are added to the queue.</p> |

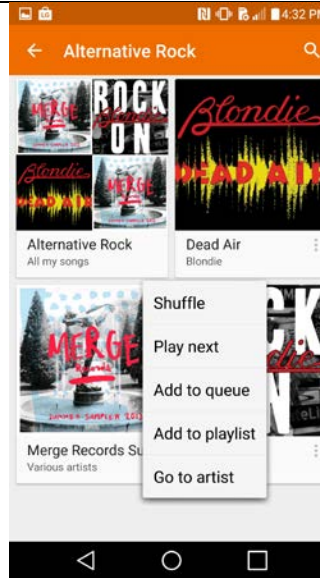


Fig. 80 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

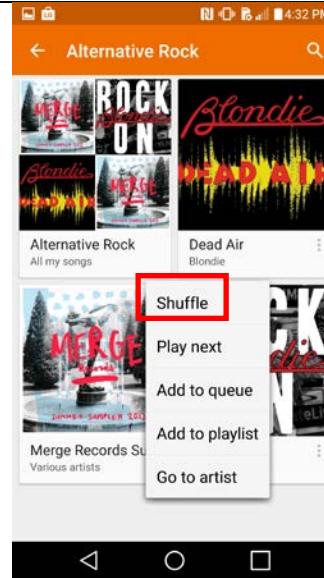
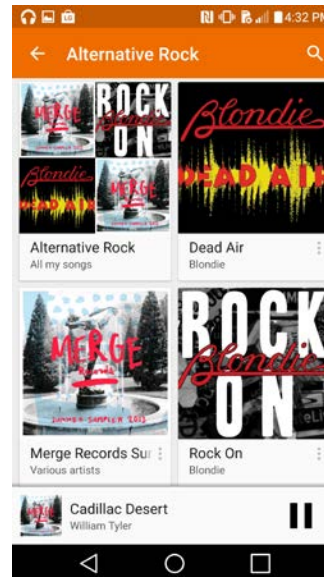


Fig. 81 – “Shuffle” is selected.



Track begins to play.

Fig. 82 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

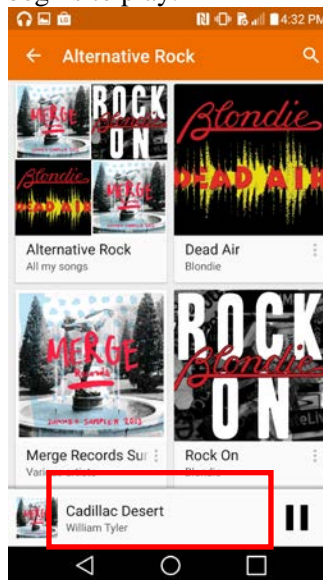
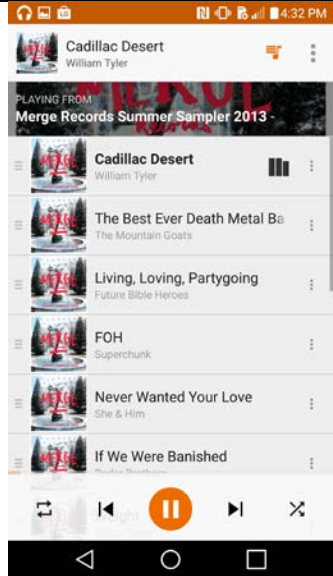
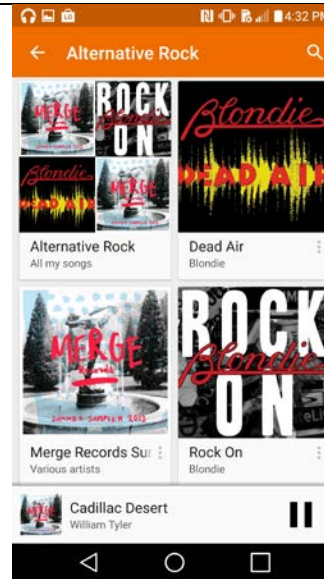


Fig. 83 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.



Fig. 84 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

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| |  <p>Fig. 85 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>26. The method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 25.</p> |



Track begins to play.

Fig. 86 – After selecting “Shuffle,” all of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

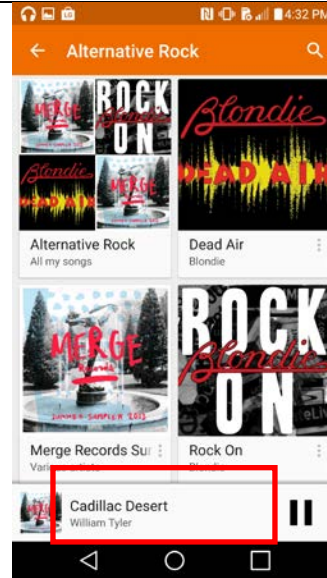

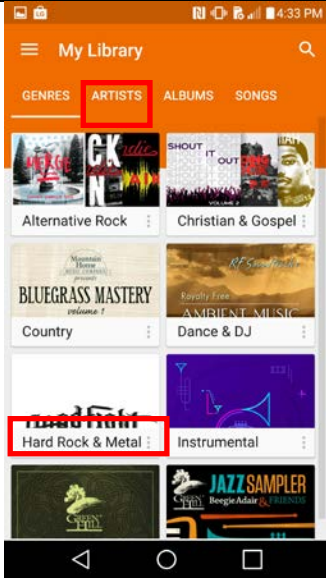


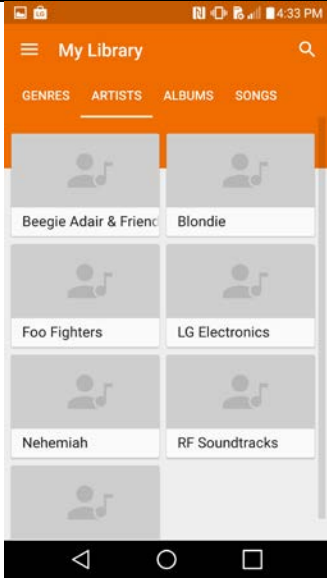
Fig. 87 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

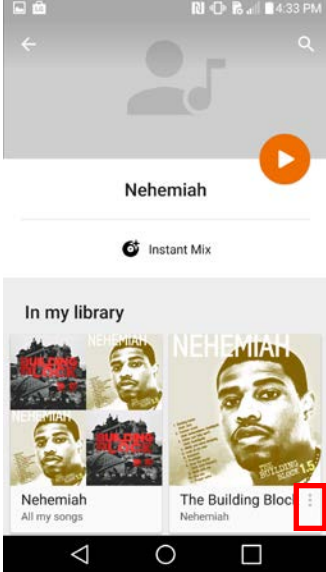


Fig. 88 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

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| |  <p>Fig. 89 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>27. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 1. See discussion for claim 1.</p> |
| <p>(a) the category artist is selected in the first display screen from available categories that include at least artist, album, and genre;</p> | <p>The LG G4 is operable to perform the method of claim 1 wherein the category artist is selected in the first display screen from available categories that include at least artist, album, and genre. See discussion for claim 1.</p> |

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| |  <p>Fig. 90 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Artists” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of artist names, and one of the listed artist names is selected;</p> | <p>The LG G4 is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of artist names and one of the artist names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the LG G4 displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Artists” category in the first display screen, the Music application displays a second display screen containing artist names. The pre-installed Play Music application on the LG G4 then allows a user to select a subcategory in the second display screen, such as “Nehemiah.”</p> |

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| |  <p>Fig. 91 – After selecting “Artists,” the second display screen displays artist names associated with tracks stored on the device. In this example, the artist name “Nehemiah” is selected.</p> |
| <p>(c) the items displayed in the third display screen comprise a listing of album names associated with the selected artist name, and one of the listed album names is selected; and</p> | <p>The LG G4 is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected artist name and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the LG G4 displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the artist name “Nehemiah” in the second display screen, the Music application displays a third display screen containing the album names stored on the LG G4 associated with the selected artist name. The pre-installed Play Music application on the LG G4 then allows a user to select an item in the third display screen, such as the album name “The Building Block 1.5.”</p> |

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| | |  <p>Fig. 92 – After selecting “Nehemiah,” the third display screen displays album names associated with the selected artist name “Nehemiah.” In this example, the album name “The Building Block 1.5” is selected by tapping on the three vertical dots on the bottom right corner of the album.</p> |
| <p>(d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The LG G4 is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the LG G4 is allows a user to select an album name from the third screen and add a plurality of tracks associated with the album name to a playlist. For example, when the user selects the album “The Building Block 1.5” by tapping on the three vertical dots on the bottom right corner of the album and selects “Shuffle,” all of the tracks associated with the selected album name are added to the queue.</p> | |

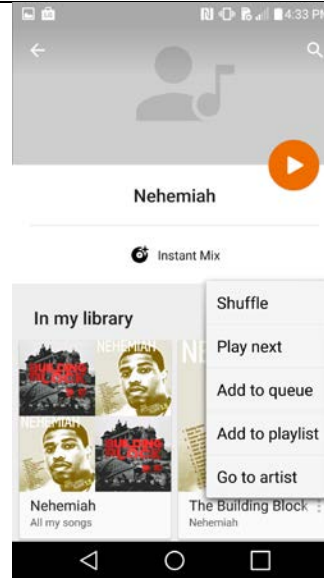


Fig. 93 – After tapping the three vertical dots on the bottom right corner of the album “The Building Block 1.5,” the user is presented with multiple options including “Shuffle.”

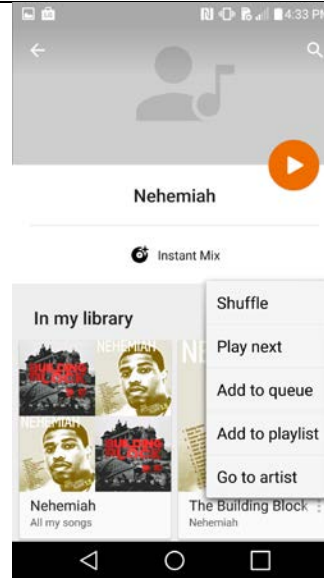
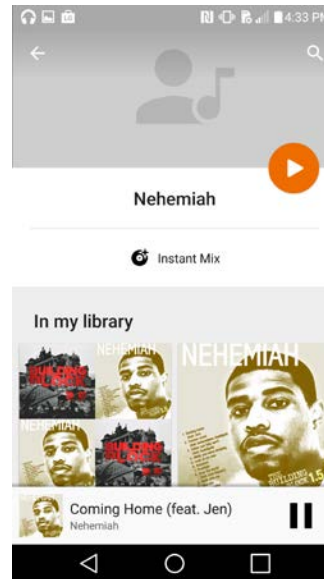


Fig. 94 – “Shuffle” is selected.



Track begins to play.

Fig. 95 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

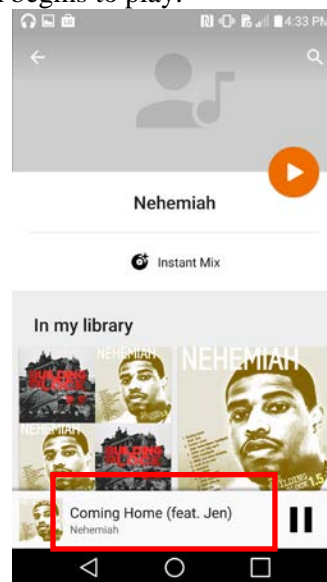
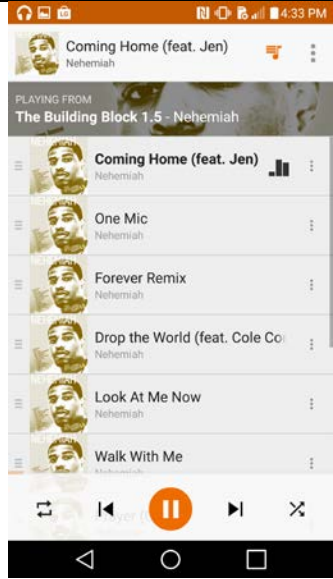
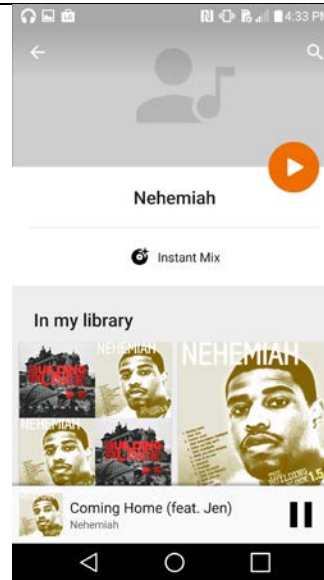


Fig. 96 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.



Fig. 97 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

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| |  <p>Fig. 98 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>28. The method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The LG G4 is operable to perform the method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 27.</p> |



Track begins to play.

Fig. 99 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

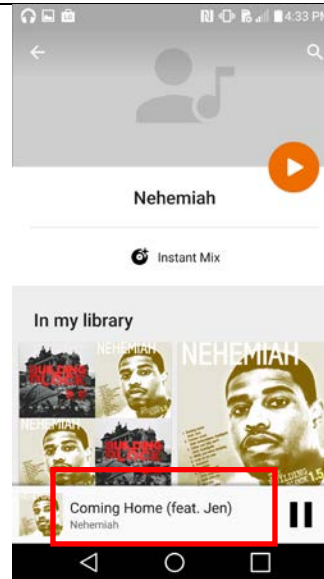


Fig. 100 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.



Fig. 101 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

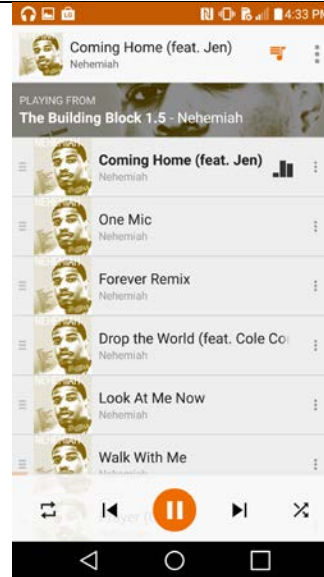


Fig. 102 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.

EXHIBIT 8

EXHIBIT 8

CLAIM CHART DEMONSTRATING LENOVO’S PRACTICE OF U.S. PATENT NO. 6,928,433

The Lenovo Moto X Pure Edition is imported and sold with the Android operating system and the Google Play Music application (Version 5.9.1854R.1904527) pre-installed. All of the accused Lenovo devices that are imported and sold with the Android operating system and the Google Play Music application pre-installed infringe the claims of U.S. Patent No. 6,928,433 set forth below.

| ’433 Claims | Lenovo Moto X Pure Edition |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1. A method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy, the method comprising:</p> | <p>[NOT ASSERTED – CHARTED FOR PURPOSES OF DEPENDENT CLAIMS]</p> <p>To the extent that the preamble is construed to be a limitation to the claim, the Lenovo Moto X Pure Edition is operable to perform a method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy.</p> <p>The Lenovo Moto X Pure Edition is imported and sold with the Google Play Music application pre-installed, which is operable to access the plurality of tracks according to a hierarchy. The Lenovo Moto X Pure Edition is configured to present sequentially a first display screen (showing categories such as “Albums,” “Artists,” and “Genres”); a second display screen (depending on the selected category, showing a listing of subcategories such as albums, artists, or genres represented in the music tracks stored on the Lenovo Moto X Pure Edition); and a third display screen (showing a listing of tracks corresponding to the selection made on the second display screen).</p> <p>The following three screenshots demonstrate a navigation through a first, second, and third display screens respectively.</p> |

'433 Claims

Lenovo Moto X Pure Edition

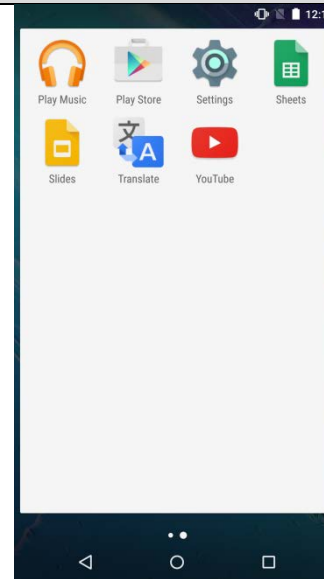
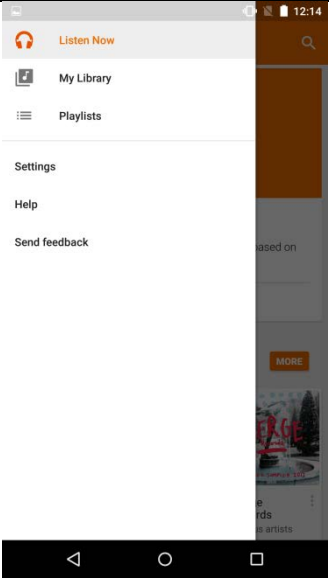


Fig. 1 – Selecting the “Play Music” icon launches the preinstalled “Play Music” application.

| '433 Claims | Lenovo Moto X Pure Edition |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 2 – The music app has two modes: “Listen Now” and “My Library.” The “My Library” mode permits a user to navigate through music stored on the device.</p> |

'433 Claims

Lenovo Moto X Pure Edition

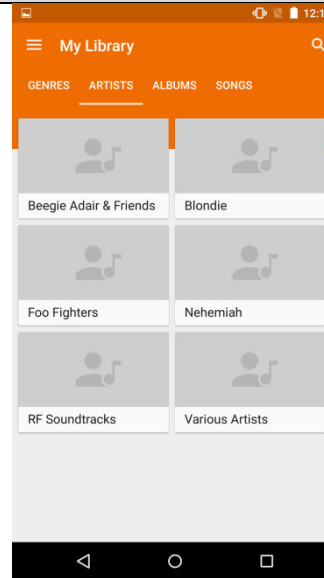


Fig. 3 – After selecting “My Library,” the first display screen displays categories, including “Albums,” “Artists,” and “Genres.”

'433 Claims

Lenovo Moto X Pure Edition

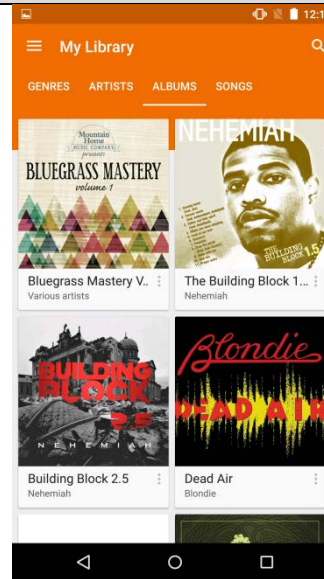

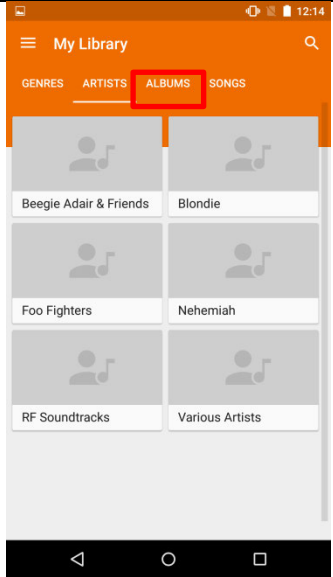
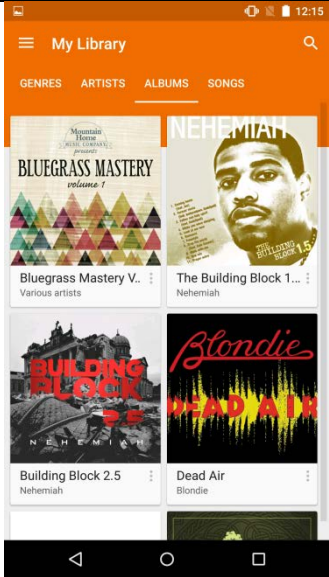



Fig. 4 – After selecting “Albums,” the second display screen displays albums stored on the device.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 5 – After selecting an album, the third display screen displays tracks stored on the device associated with the selected album.</p> |
| (a) selecting a category in the first display screen of the portable media player; | <p>The Lenovo Moto X Pure Edition is operable to perform the step of selecting a category in the first display screen of the portable media player.</p> <p>The pre-installed Play Music application on the Lenovo Moto X Pure Edition allows a user to select a category in the first display screen. The category options include “Genres,” “Artists,” “Albums,” and “Songs.”</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 6 – In this example, the category “Albums” is selected.</p> |
| <p>(b) displaying the subcategories belonging to the selected category in a listing presented in the second display screen;</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the step of displaying the subcategories belonging to the selected category in a listing presented in the second display screen.</p> <p>The pre-installed Play Music application on the Lenovo Moto X Pure Edition displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Albums” category in the first display screen, the Music application displays a second display screen containing album names.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 7 – After selecting “Albums,” the second display screen displays albums stored on the device.</p> |
| <p>(c) selecting a subcategory in the second display screen;</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the step of selecting a subcategory in the second display screen.</p> <p>The pre-installed Play Music application on the Lenovo Moto X Pure Edition allows a user to select a subcategory in the second display screen. For example, if the user selected the “Albums” category in the first display screen, a user can select an album from the albums displayed on the second display screen.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 8 – In this example, the album “Bluegrass Mastery Vol. 1” is selected from this list of albums.</p> |
| <p>(d) displaying the items belonging to the selected subcategory in a listing presented in the third display screen; and</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the step of displaying the items belonging to the selected subcategory in a listing presented in the third display screen.</p> <p>The pre-installed Play Music application on the Lenovo Moto X Pure Edition displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Bluegrass Mastery Vol. 1” album in the second display screen, the Music application displays a third display screen containing the music tracks stored on the Lenovo Moto X Pure Edition belonging to the selected album.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 9 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.</p> |
| <p>(e) accessing at least one track based on a selection made in one of the display screens.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the step of accessing at least one track based on a selection made in one of the display screens.</p> <p>The pre-installed Play Music application on the Lenovo Moto X Pure Edition will access a track, for example playing a track based on a selection made in one of the display screens. For example, when the user selects the track “Mystery Train” on the third display screen, the “Mystery Train” track begins playing.</p> |

'433 Claims

Lenovo Moto X Pure Edition

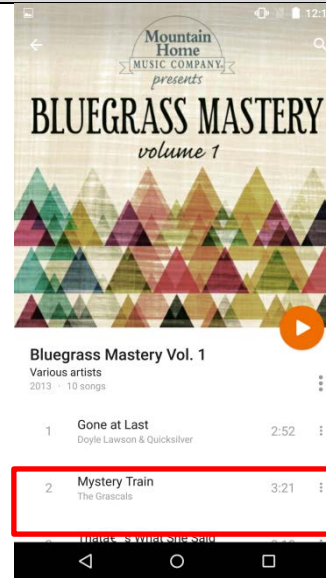


Fig. 10 – Selecting the “Mystery Train” track results in playing the selected track.

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| '433 Claims | Lenovo Moto X Pure Edition |
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Fig. 11 – Once selected, the track “Mystery Train” begins playing.

2. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.

The Lenovo Moto X Pure Edition is operable to perform the step of accessing at least one track by selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.

After selecting a subcategory from the second screen, the pre-installed Play Music application on the Lenovo Moto X Pure Edition is operable to play a plurality of tracks associated with the selected category. For example, the Lenovo Moto X Pure Edition allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The Lenovo Moto X Pure Edition then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of songs that is currently being played. The tracks added to the active queue list of songs that is currently being played will play sequentially.

See discussion for claim 1.

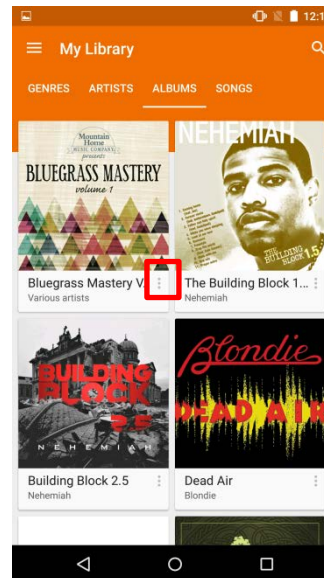


Fig. 12 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

'433 Claims

Lenovo Moto X Pure Edition

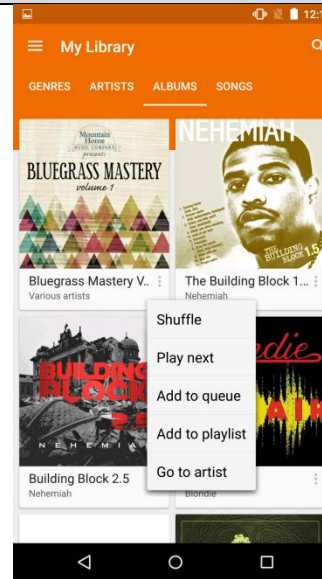


Fig. 13 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Lenovo Moto X Pure Edition

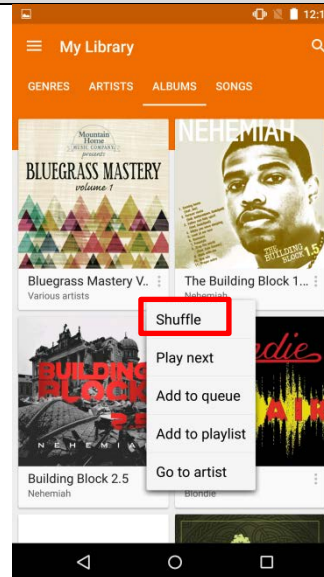
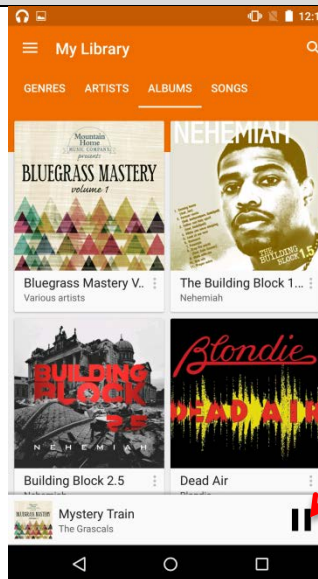


Fig. 14 – “Shuffle” is selected.

'433 Claims

Lenovo Moto X Pure Edition



Track begins to play.

Fig. 15 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

'433 Claims

Lenovo Moto X Pure Edition

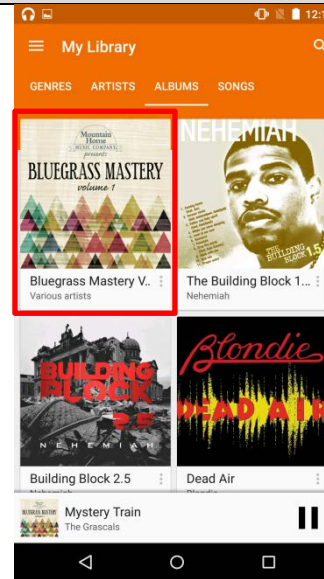



Fig. 16 – The same album is then tapped.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 17 – The third display screen displays the tracks from the album.</p> |

'433 Claims

Lenovo Moto X Pure Edition



Fig. 18 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Lenovo Moto X Pure Edition

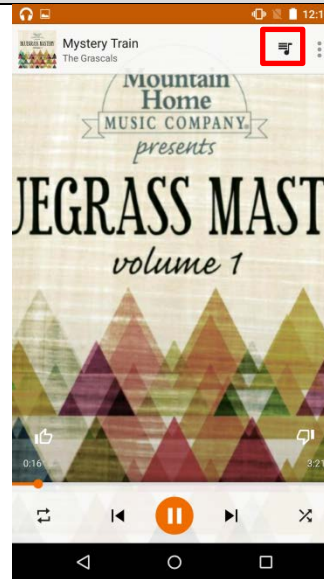
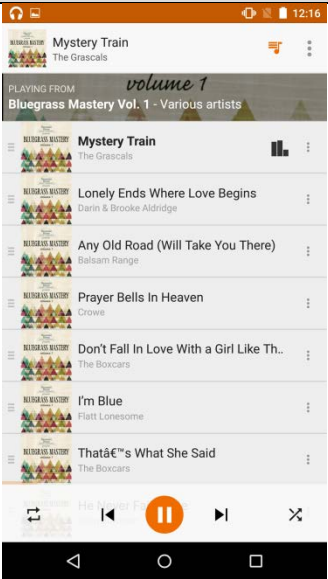


Fig. 19 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 20 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>3. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the step of accessing at least one track by selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the Lenovo Moto X Pure Edition is operable to add a plurality of tracks associated with the selected category to a playlist. For example, the Lenovo Moto X Pure Edition allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The Lenovo Moto X Pure Edition then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of currently playing music.</p> <p>See discussion for claims 1 and 2.</p> |

'433 Claims

Lenovo Moto X Pure Edition

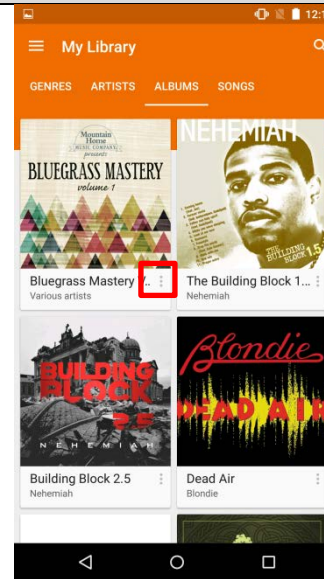


Fig. 21 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

'433 Claims

Lenovo Moto X Pure Edition

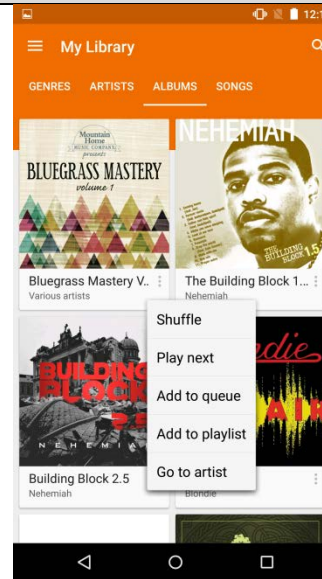


Fig. 22 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Lenovo Moto X Pure Edition

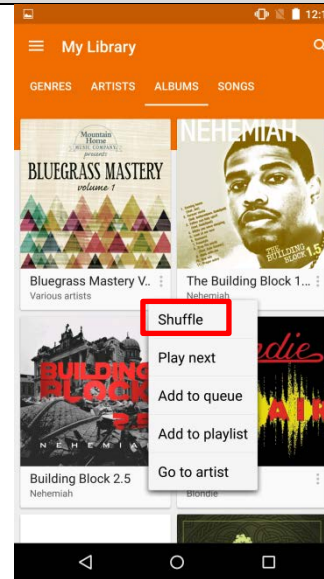
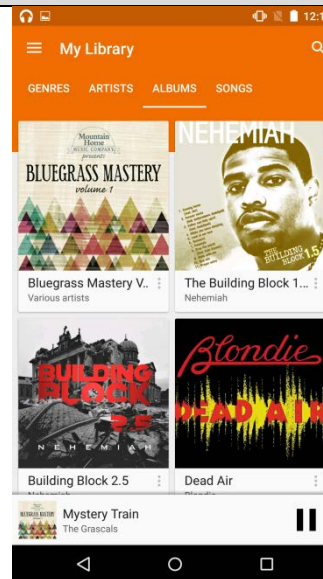


Fig. 23 – “Shuffle” is selected.

'433 Claims

Lenovo Moto X Pure Edition



Track begins to play.

Fig. 24 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

'433 Claims

Lenovo Moto X Pure Edition

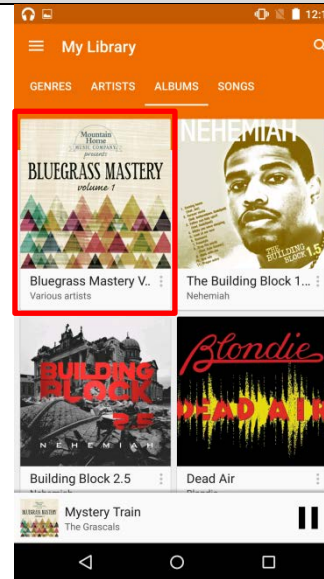


Fig. 25 – The same album is then tapped.

'433 Claims

Lenovo Moto X Pure Edition



Fig. 26 – The third display screen displays the tracks from the album.

'433 Claims

Lenovo Moto X Pure Edition



Fig. 27 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Lenovo Moto X Pure Edition

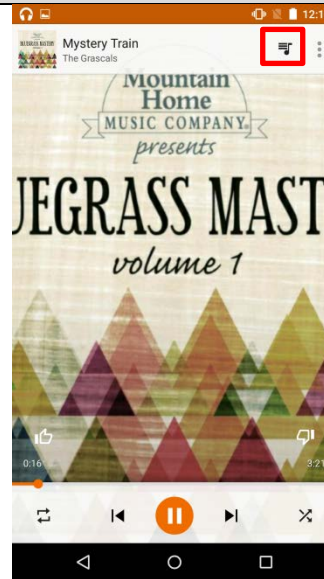
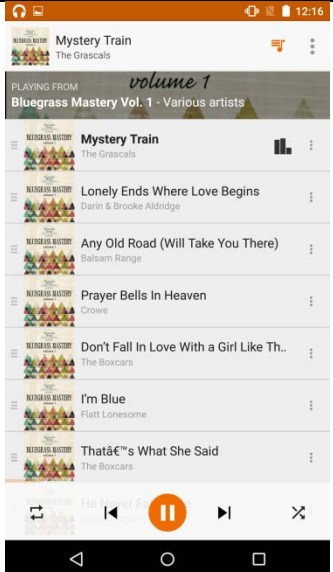


Fig. 28 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 29 – The queue shows that all of the tracks from the album have been added to the queue.</p> |
| <p>5. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the step of accessing at least one track by selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the Lenovo Moto X Pure Edition is operable to add a track associated with the selected subcategory to a playlist. For example, the Lenovo Moto X Pure Edition allows a user to select an album from the second display screen, and then from the third display screen the Lenovo Moto X Pure Edition allows a user to select a track from that album resulting in all of the tracks from the album being added to the queue.</p> <p>See discussion for claim 1.</p> |

'433 Claims

Lenovo Moto X Pure Edition



Fig. 30 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.

'433 Claims

Lenovo Moto X Pure Edition

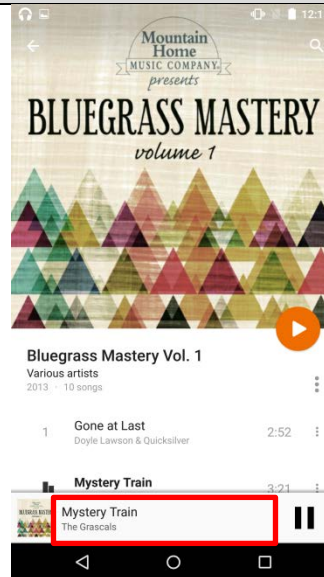


Fig. 31 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Lenovo Moto X Pure Edition

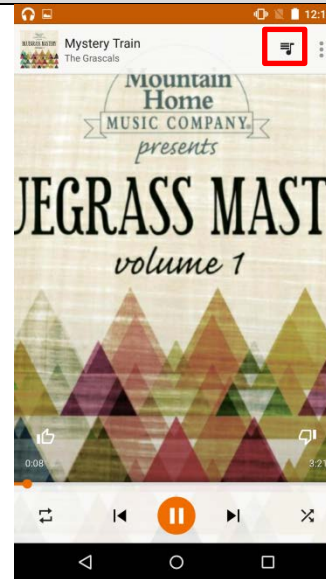
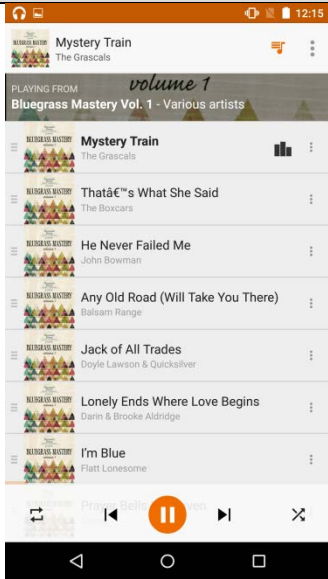


Fig. 32 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 33 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>7. The method of selecting a track as recited in claim 1 wherein the accessing at least one track is made after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the step of accessing at least one track after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> <p>See discussion for claims 1 and 2.</p> <p>The Lenovo Moto X Pure Edition allows a user to, instead of (or in addition to) selecting a track on the third display screen, select the back arrow at the top left of the third display screen. The Lenovo Moto X Pure Edition then displays the second display screen again. From the second display screen, the Lenovo Moto X Pure Edition allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The Lenovo Moto X Pure Edition</p> |

'433 Claims

Lenovo Moto X Pure Edition

then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of currently playing music.



Fig. 34 – On the third display screen, the arrow in the top left of the screen is selected.

'433 Claims

Lenovo Moto X Pure Edition

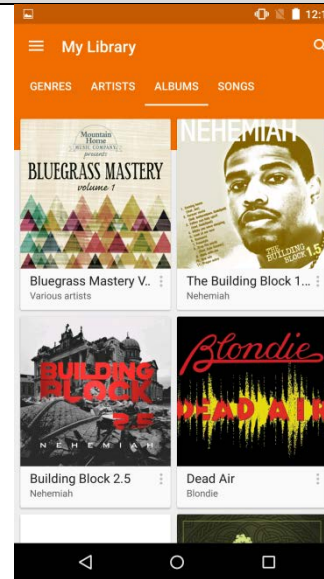


Fig. 35 – The second display screen is then displayed again.

'433 Claims

Lenovo Moto X Pure Edition

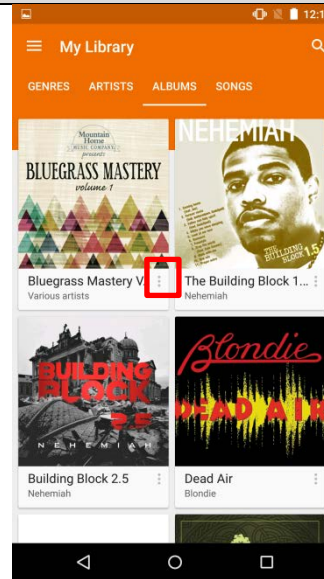


Fig. 36 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

'433 Claims

Lenovo Moto X Pure Edition

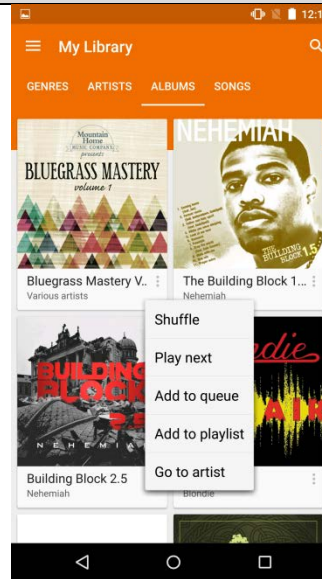


Fig. 37 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Lenovo Moto X Pure Edition

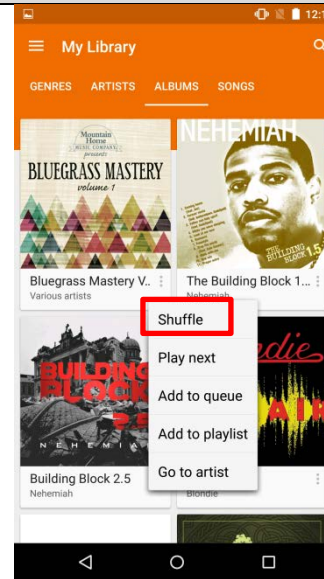
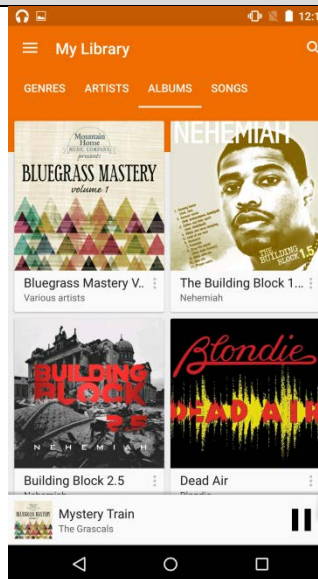


Fig. 38 – “Shuffle” is selected.

'433 Claims

Lenovo Moto X Pure Edition



Track begins to play.

Fig. 39 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

'433 Claims

Lenovo Moto X Pure Edition

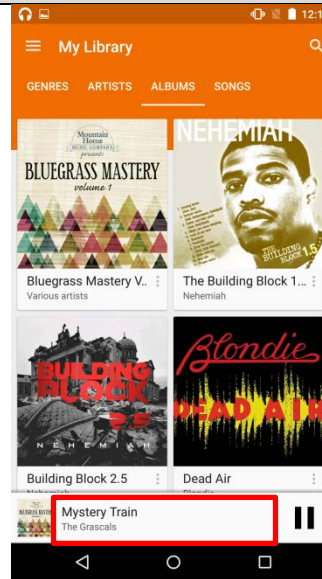


Fig. 40 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Lenovo Moto X Pure Edition

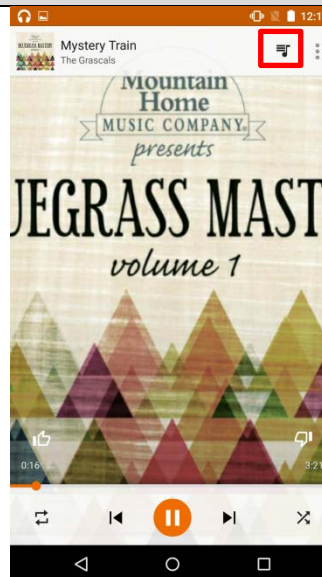
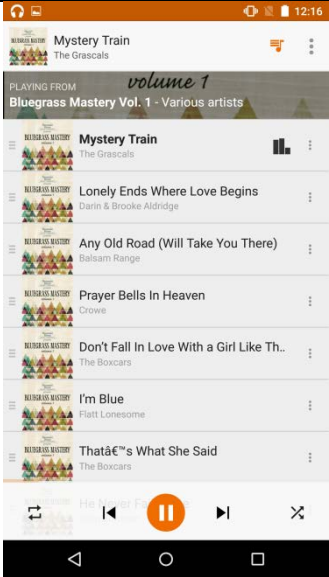
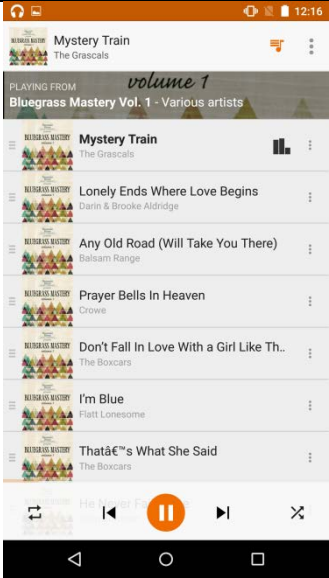
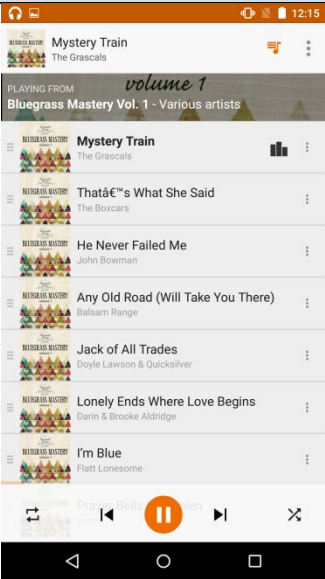


Fig. 41 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 42 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>17. The method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 3.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 43 – The tracks from the selected album have been added to the active queue list of songs that is currently being played.</p> |
| <p>18. The method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 5.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 44 – All of the tracks associated with the “Bluegrass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.</p> |
| <p>19. The method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> <p>See claim 5.</p> |

'433 Claims

Lenovo Moto X Pure Edition



Fig. 45 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.



Track begins to play.

Fig. 46 – Once selected, the track “Mystery Train” begins playing from the queue. All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Lenovo Moto X Pure Edition

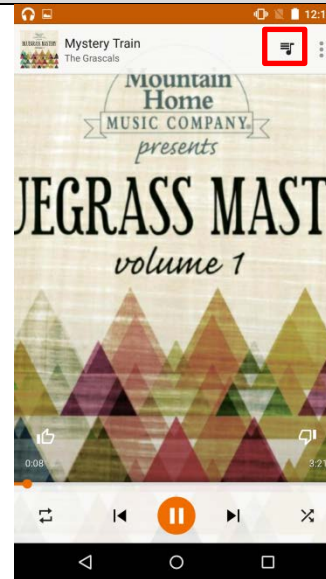
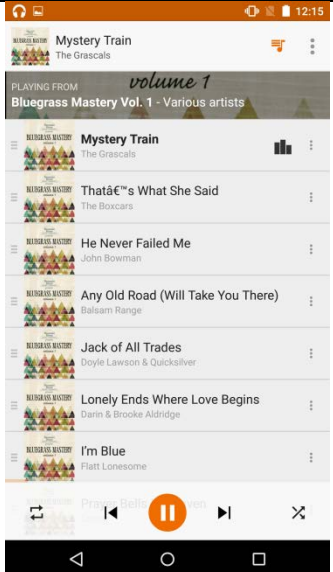
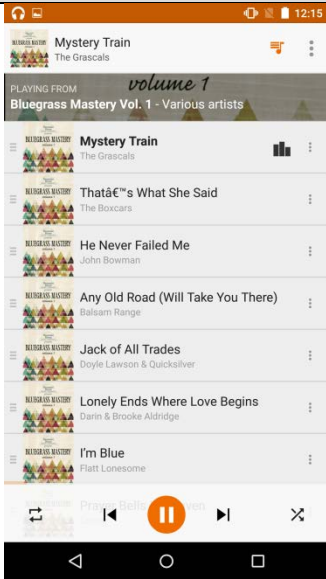


Fig. 47 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 48 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>20. The method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 19.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 49 – All of the tracks associated with the “Blue Grass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.</p> |
| <p>21. The method of selecting a track as recited in claim 5 where in the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> <p>See claim 5.</p> <p>For example, if on the first display screen the “Genres” category is selected and a genre is selected on the second display screen, the Lenovo Moto X Pure Edition displays albums on the third display screen. The Lenovo Moto X Pure Edition then allows a user to select an album name and select shuffle, which adds all of the tracks associated with the selected album name to the active queue list of songs that is currently being played.</p> |

'433 Claims

Lenovo Moto X Pure Edition

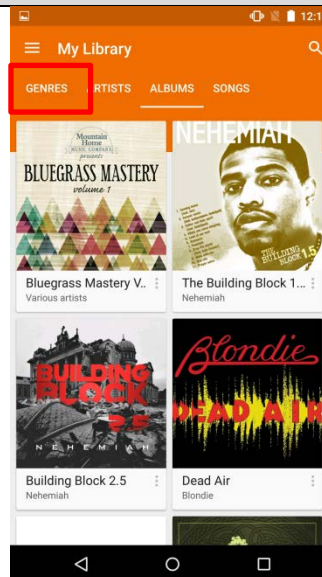


Fig. 50 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.

'433 Claims

Lenovo Moto X Pure Edition

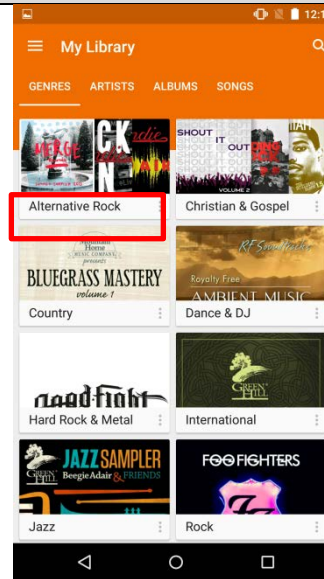


Fig. 51 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.

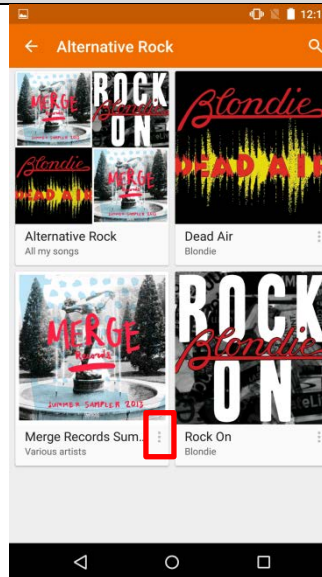


Fig. 52 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

'433 Claims

Lenovo Moto X Pure Edition

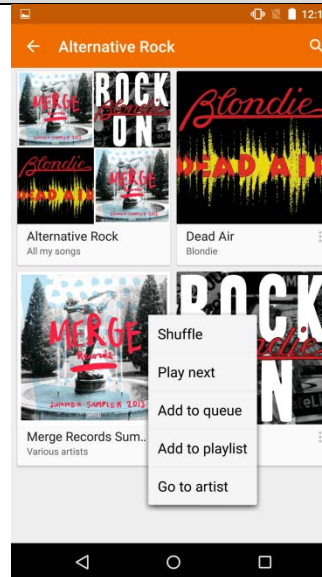


Fig. 53 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Lenovo Moto X Pure Edition

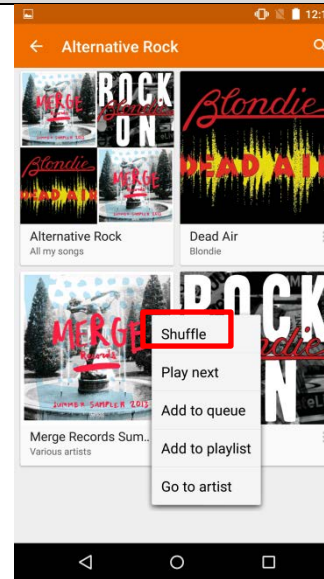
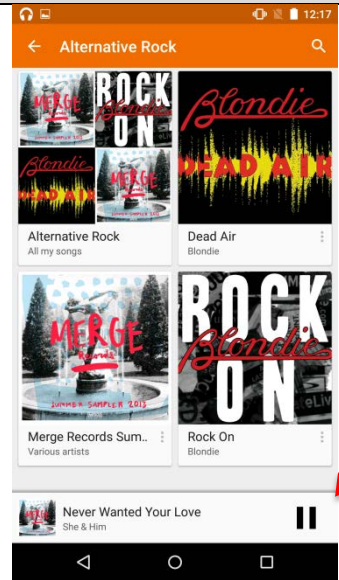


Fig. 54 – “Shuffle” is selected.

'433 Claims

Lenovo Moto X Pure Edition



Track begins to play.

Fig. 55 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

'433 Claims

Lenovo Moto X Pure Edition

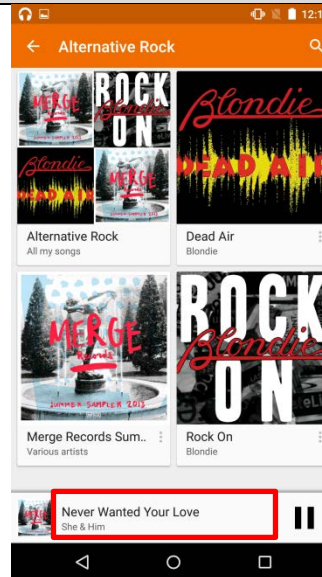


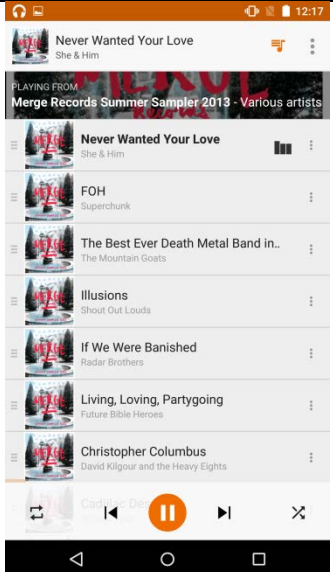
Fig. 56 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Lenovo Moto X Pure Edition



Fig. 57 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 58 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>22. The method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 21.</p> |

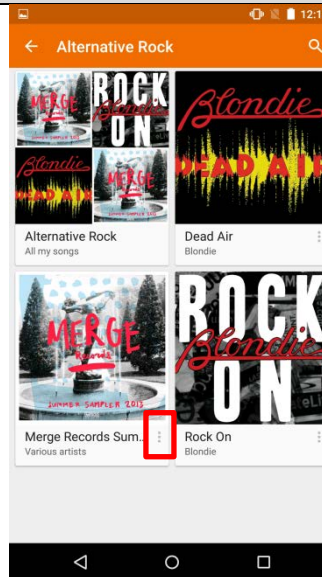


Fig. 59 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

'433 Claims

Lenovo Moto X Pure Edition

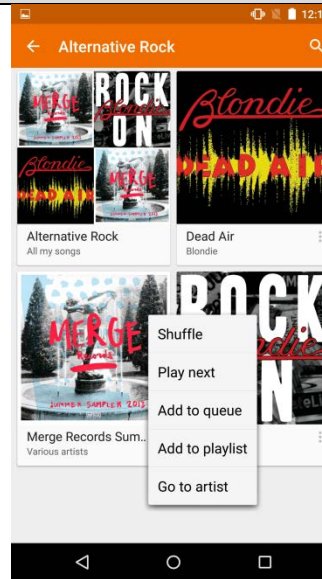


Fig. 60 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Lenovo Moto X Pure Edition

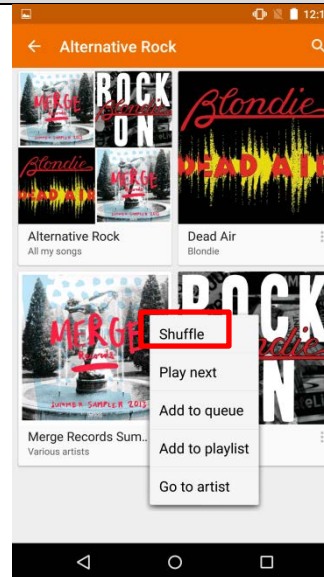
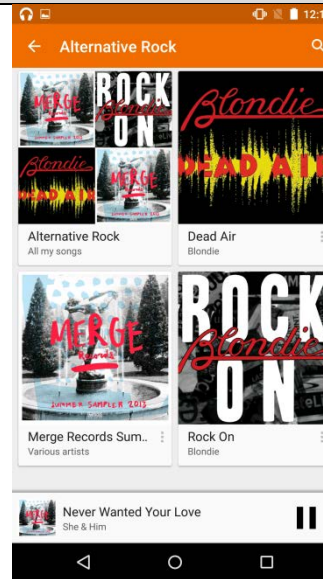


Fig. 61 – “Shuffle” is selected.

'433 Claims

Lenovo Moto X Pure Edition



Track begins to play.

Fig. 62 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

'433 Claims

Lenovo Moto X Pure Edition

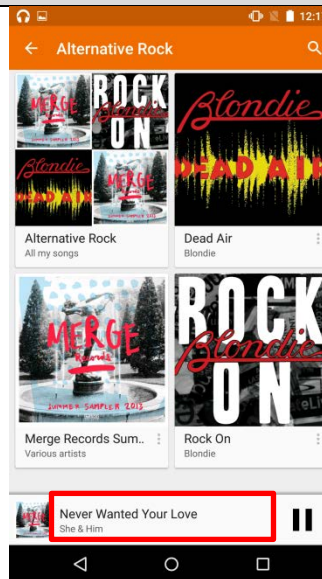


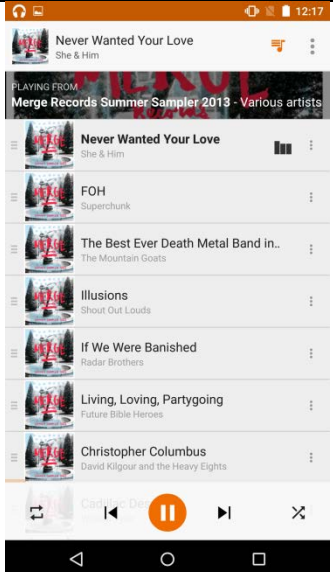
Fig. 63 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

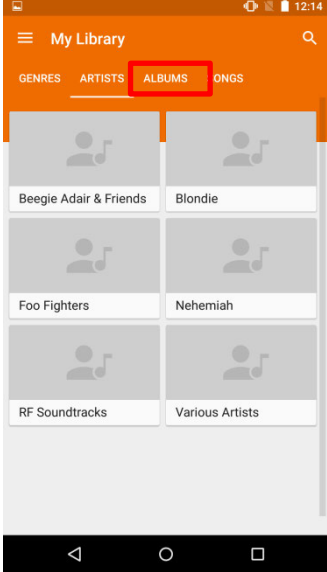
'433 Claims

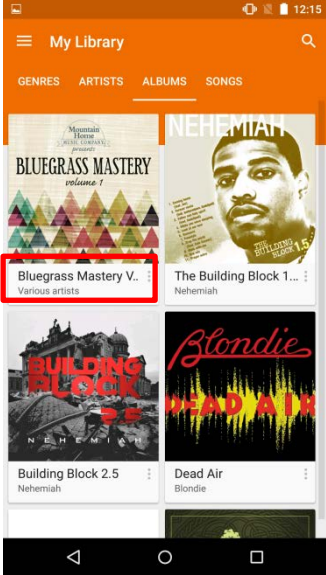
Lenovo Moto X Pure Edition



Fig. 64 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 65 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>23. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| <p>(a) the category album is selected in the first display screen from available categories that include at least artist and album;</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist and album.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 66 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Albums” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected; and</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>The screenshot shows a mobile application interface titled "My Library" with tabs for "GENRES", "ARTISTS", "ALBUMS", and "SONGS". The "ALBUMS" tab is active, displaying a grid of album covers. The album "Bluegrass Mastery V. 1" by Various artists is highlighted with a red rectangular box. Other visible albums include "The Building Block 1..." by Nehemiah, "Building Block 2.5" by Nehemiah, and "Dead Air" by Blondie.</p> <p>Fig. 67 – After selecting “Albums,” the second display screen displays albums stored on the device. In this example, the album “Bluegrass Mastery Vol. 1” is selected.</p> |
| <p>(c) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claims 1 and 3.</p> |

'433 Claims

Lenovo Moto X Pure Edition



Fig. 68 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.

'433 Claims

Lenovo Moto X Pure Edition

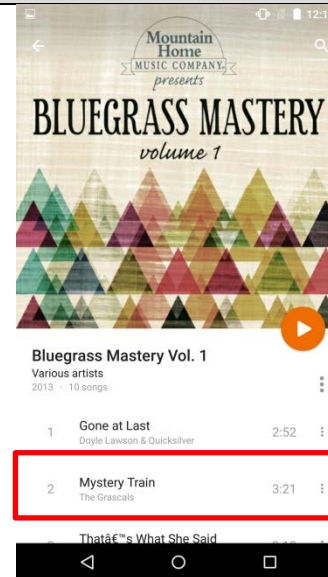
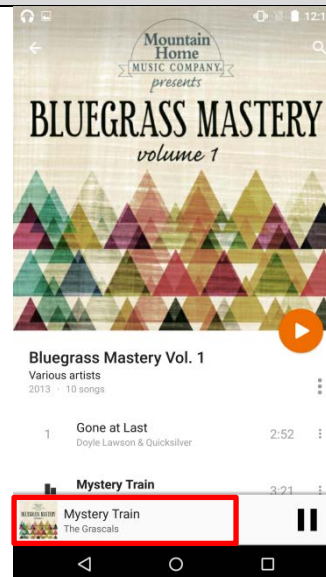


Fig. 69 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.

'433 Claims

Lenovo Moto X Pure Edition



Track begins to play.

Fig. 70 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Lenovo Moto X Pure Edition

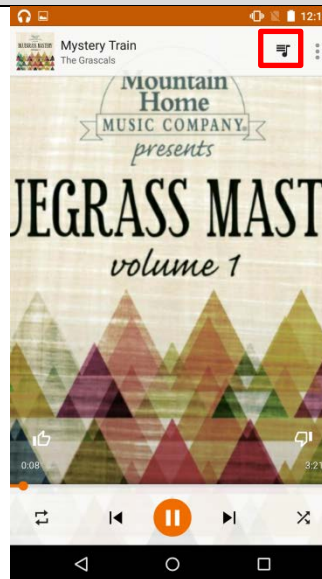
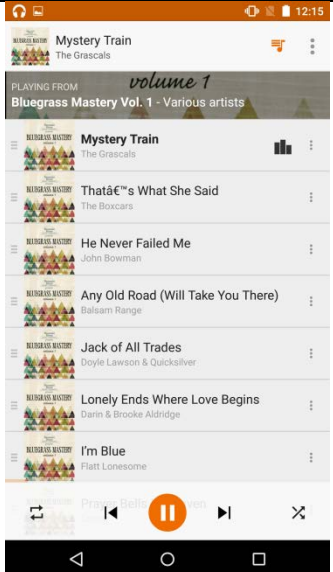


Fig. 71 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 72 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>24. The method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 23.</p> |

'433 Claims

Lenovo Moto X Pure Edition

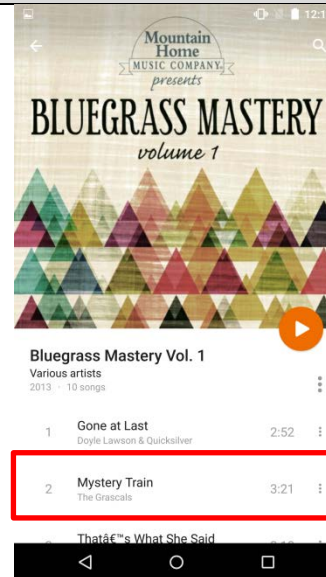
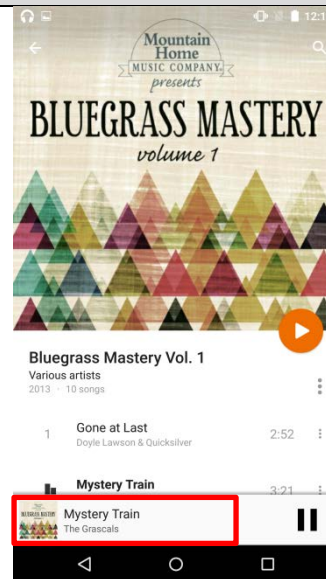


Fig. 73 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.

'433 Claims

Lenovo Moto X Pure Edition



Track begins to play.

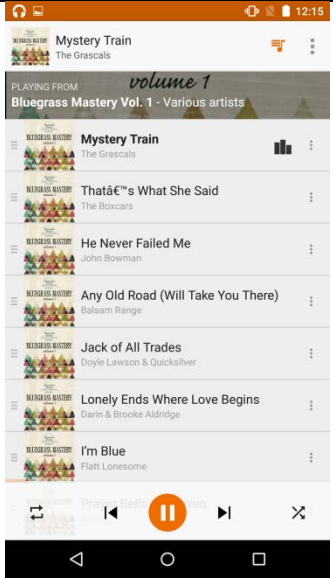
Fig. 74 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.

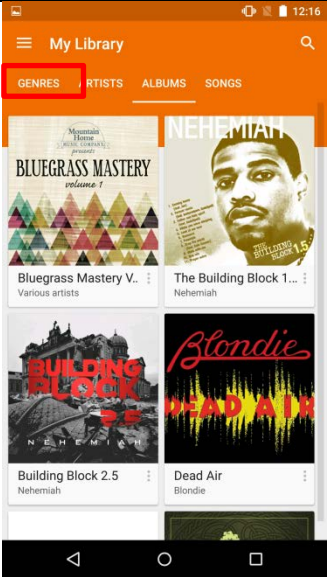
'433 Claims

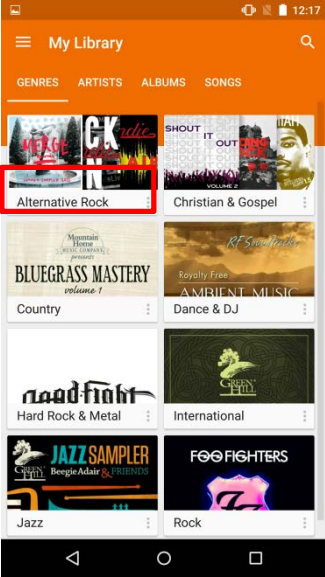
Lenovo Moto X Pure Edition



Fig. 75 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 76 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>25. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| <p>(a) the category genre is selected in the first display screen from available categories that include at least artist, album, and genre;</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist, album, and genre.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 77 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of a plurality of genre types, and one of one genre types is selected;</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Lenovo Moto X Pure Edition displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Genres” category in the first display screen, the Music application displays a second display screen containing genre types. The pre-installed Play Music application on the Lenovo Moto X Pure Edition then allows a user to select a subcategory in the second display screen, such as “Alternative Rock.”</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 78 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.</p> |
| <p>(c) the items displayed in the third display screen comprise a listing of a plurality of album names associated with the selected genre type, and one of the album names is selected; and</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected genre type and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Lenovo Moto X Pure Edition displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Alternative Rock” genre in the second display screen, the Music application displays a third display screen containing the album names stored on the Lenovo Moto X Pure</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| | <p>Edition belonging to the selected genre. The pre-installed Play Music application on the Lenovo Moto X Pure Edition then allows a user to select an item in the third display screen, such as the album name “Merge Records Summer Sampler 2013.”</p> <div> </div> <p>Fig. 79 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.</p> |
| <p>(d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Lenovo Moto X Pure Edition is allows a</p> |

'433 Claims

Lenovo Moto X Pure Edition

user to select an album name from the third screen and add a plurality of tracks associated with the album name to a playlist. For example, when the user selects the album "Merge Records Summer Sampler 2013" by tapping on the three vertical dots on the bottom right corner of the album and selects "Shuffle," all of the tracks associated with the selected album name are added to the queue.

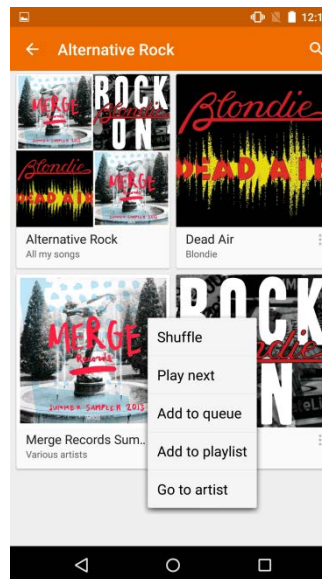


Fig. 80 – After tapping the three vertical dots on the bottom right corner of the album "Merge Records Summer Sampler 2013," the user is presented with multiple options including "Shuffle."

'433 Claims

Lenovo Moto X Pure Edition

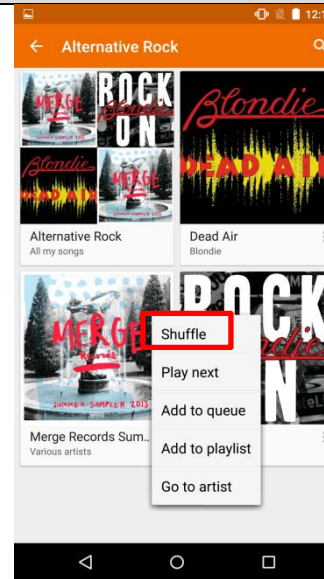
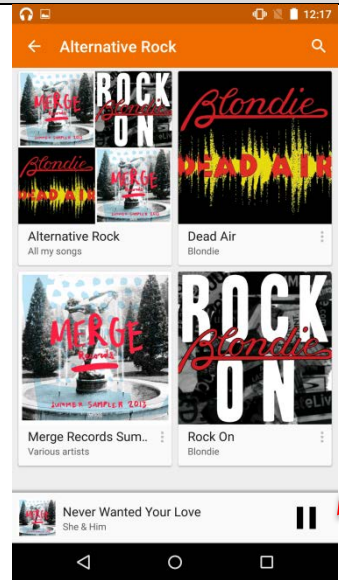


Fig. 81 – “Shuffle” is selected.

'433 Claims

Lenovo Moto X Pure Edition



Track begins to play.

Fig. 82 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.

'433 Claims

Lenovo Moto X Pure Edition

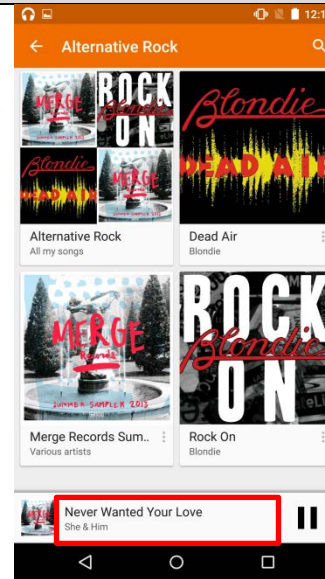


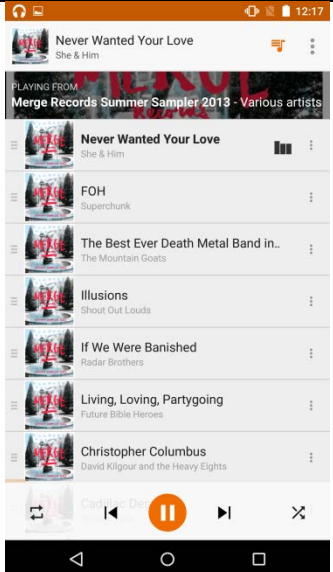
Fig. 83 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

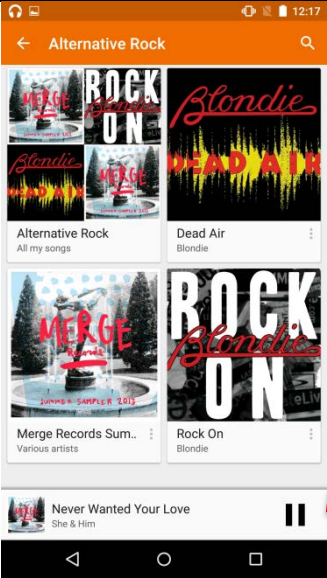
'433 Claims

Lenovo Moto X Pure Edition



Fig. 84 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 85 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>26. The method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 25 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 25.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Track begins to play.</p> <p>Fig. 86 – After selecting “Shuffle,” all of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

Lenovo Moto X Pure Edition

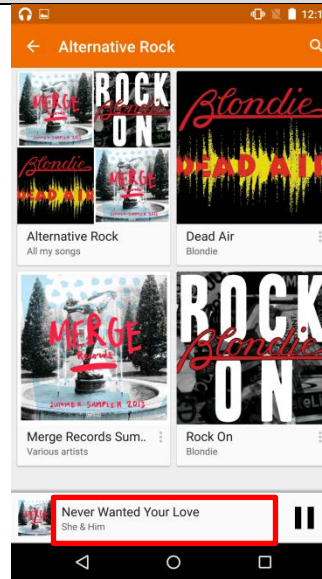


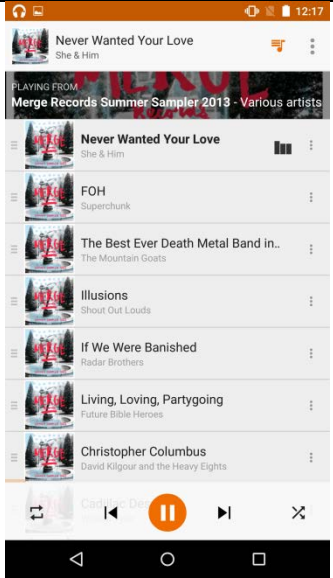
Fig. 87 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

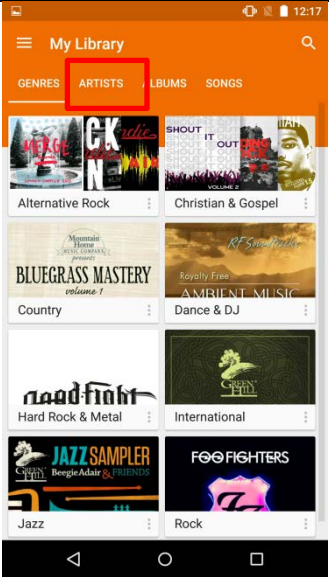
'433 Claims

Lenovo Moto X Pure Edition



Fig. 88 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 89 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>27. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 1.</p> <p>See discussion for claim 1.</p> |
| <p>(a) the category artist is selected in the first display screen from available categories that include at least artist, album, and genre;</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the category artist is selected in the first display screen from available categories that include at least artist, album, and genre.</p> <p>See discussion for claim 1.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 90 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Artists” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of artist names, and one of the listed artist names is selected;</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of artist names and one of the artist names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Lenovo Moto X Pure Edition displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Artists” category in the first display screen, the Music application displays a second display screen containing artist names. The pre-installed Play Music application on the Lenovo Moto X Pure Edition then allows a user to select a subcategory in the second display screen, such as “Nehemiah.”</p> |

'433 Claims

Lenovo Moto X Pure Edition

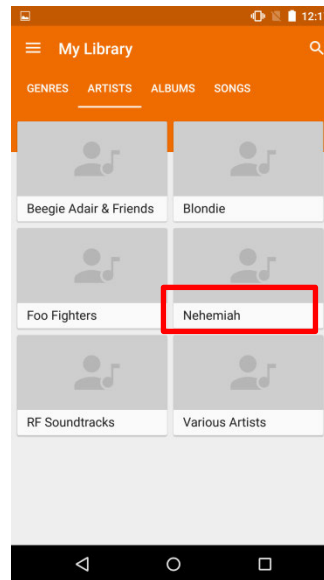


Fig. 91 – After selecting “Artists,” the second display screen displays artist names associated with tracks stored on the device. In this example, the artist name “Nehemiah” is selected.

(c) the items displayed in the third display screen comprise a listing of album names associated with the selected artist name, and one of the listed album names is selected; and

The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected artist name and one of the album names is selected.

See discussion for claim 1.

The pre-installed Play Music application on the Lenovo Moto X Pure Edition displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the artist name “Nehemiah” in the second display screen, the Music application displays a third display screen containing the album names stored on the Lenovo Moto X Pure Edition

| '433 Claims | Lenovo Moto X Pure Edition |
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| | <p>associated with the selected artist name. The pre-installed Play Music application on the Lenovo Moto X Pure Edition then allows a user to select an item in the third display screen, such as the album name “The Building Block 1.5.”</p> <div> </div> <p>Fig. 92 – After selecting “Nehemiah,” the third display screen displays album names associated with the selected artist name “Nehemiah.” In this example, the album name “The Building Block 1.5” is selected by tapping on the three vertical dots on the bottom right corner of the album.</p> |
| <p>(d) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the Lenovo Moto X Pure Edition is allows a</p> |

'433 Claims

Lenovo Moto X Pure Edition

user to select an album name from the third screen and add a plurality of tracks associated with the album name to a playlist. For example, when the user selects the album “The Building Block 1.5” by tapping on the three vertical dots on the bottom right corner of the album and selects “Shuffle,” all of the tracks associated with the selected album name are added to the queue.

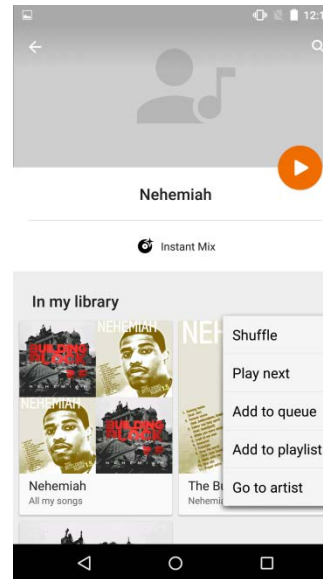


Fig. 93 – After tapping the three vertical dots on the bottom right corner of the album “The Building Block 1.5,” the user is presented with multiple options including “Shuffle.”

'433 Claims

Lenovo Moto X Pure Edition

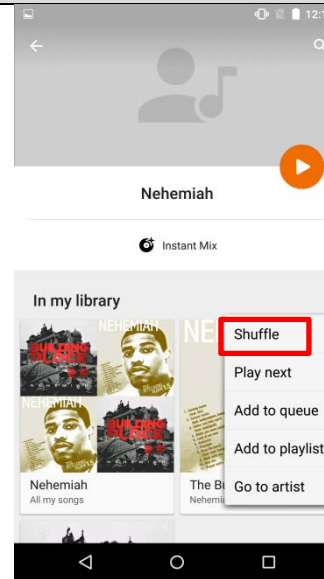
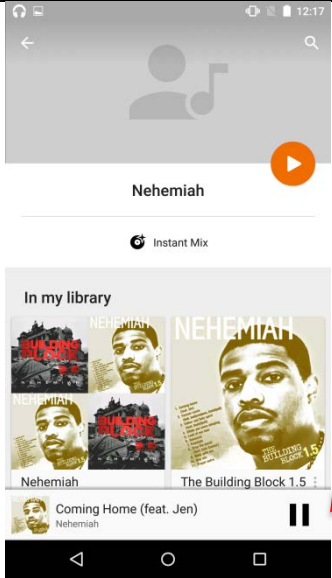


Fig. 94 – “Shuffle” is selected.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <div style="border: 1px solid black; padding: 5px; display: inline-block;">Track begins to play.</div> |
| <p>Fig. 95 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> | |

'433 Claims

Lenovo Moto X Pure Edition

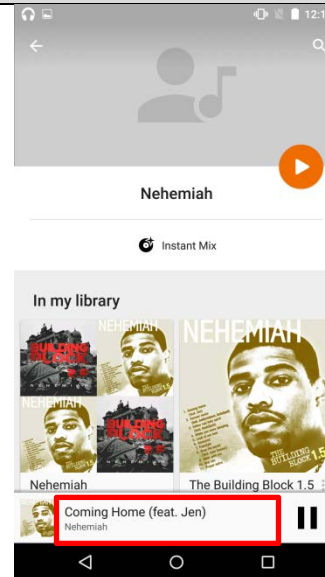


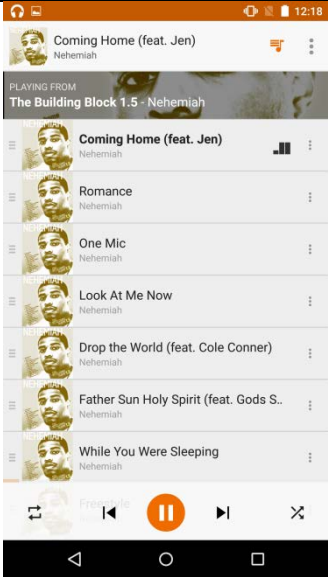
Fig. 96 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

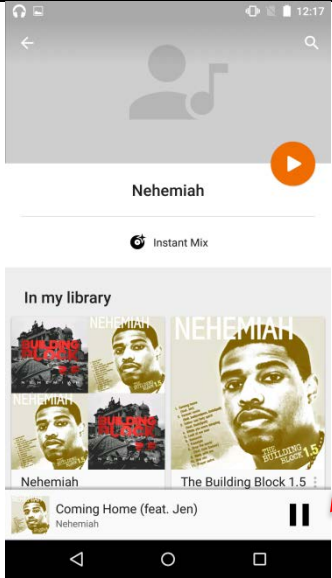
'433 Claims

Lenovo Moto X Pure Edition



Fig. 97 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <p>Fig. 98 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>28. The method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The Lenovo Moto X Pure Edition is operable to perform the method of selecting a track as recited in claim 27 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 27.</p> |

| '433 Claims | Lenovo Moto X Pure Edition |
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| |  <div style="border: 1px solid black; padding: 5px; display: inline-block;">Track begins to play.</div> |
| <p>Fig. 99 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> | |

'433 Claims

Lenovo Moto X Pure Edition

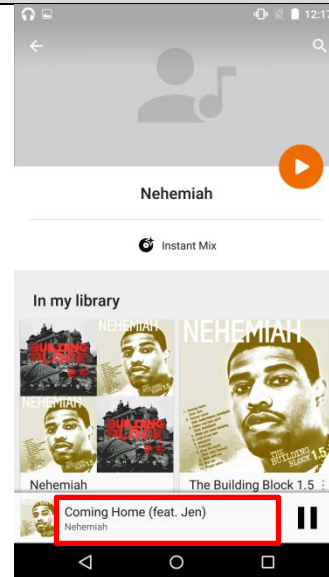


Fig. 100 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

Lenovo Moto X Pure Edition

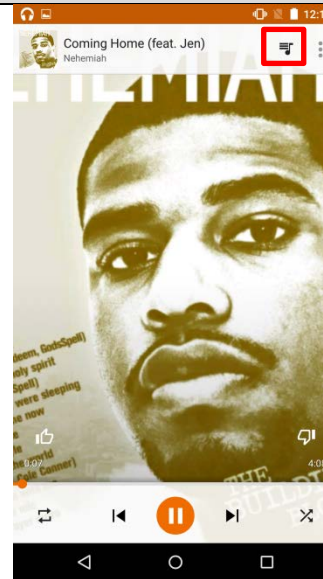


Fig. 101 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

'433 Claims

Lenovo Moto X Pure Edition

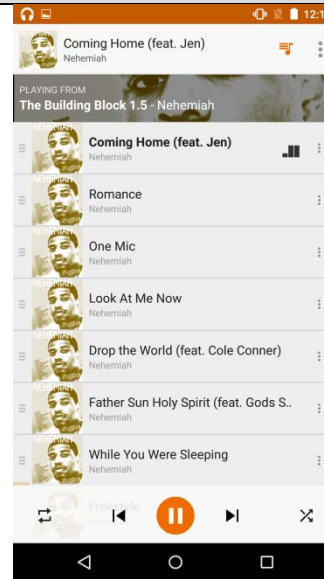


Fig. 102 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.

EXHIBIT 9A

EXHIBIT 9A

CLAIM CHART DEMONSTRATING HTC’S PRACTICE OF U.S. PATENT NO. 6,928,433

The HTC One M9 is imported and sold with the Android operating system and the Google Play Music application (Version 5.7.1788Q.1634597) preinstalled. All of the accused HTC devices that are imported and sold with the Android operating system and the Play Music application pre-installed infringe the claims of U.S. Patent No. 6,928,433 set forth below.

| ’433 Claims | HTC One M9 |
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| <p>1. A method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy, the method comprising:</p> | <p>[NOT ASSERTED – CHARTED FOR PURPOSES OF DEPENDENT CLAIMS]</p> <p>To the extent that the preamble is construed to be a limitation to the claim, the HTC One M9 is operable to perform a method of selecting at least one track from a plurality of tracks stored in a computer-readable medium of a portable media player configured to present sequentially a first, second, and third display screen on the display of the media player, the plurality of tracks accessed according to a hierarchy, the hierarchy having a plurality of categories, subcategories, and items respectively in a first, second, and third level of the hierarchy.</p> <p>The HTC One M9 is imported and sold with the Google Play Music application pre-installed, which is operable to access the plurality of tracks according to a hierarchy. The HTC One M9 is configured to present sequentially a first display screen (showing categories such as “Albums,” “Artists,” and “Genres”); a second display screen (depending on the selected category, showing a listing of subcategories such as albums, artists, or genres represented in the music tracks stored on the HTC One M9); and a third display screen (showing a listing of tracks corresponding to the selection made on the second display screen).</p> <p>The following three screenshots demonstrate a navigation through a first, second, and third display screens respectively.</p> |

'433 Claims

HTC One M9

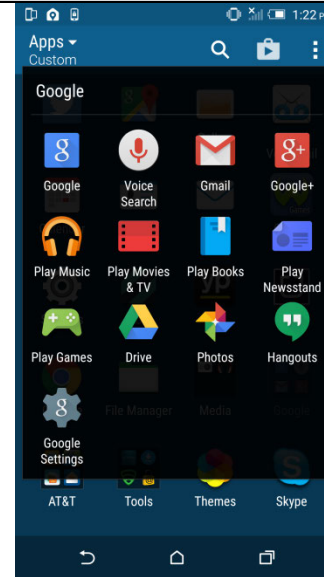


Fig. 1 – Selecting the “Play Music” icon launches the preinstalled “Play Music” application.

'433 Claims

HTC One M9

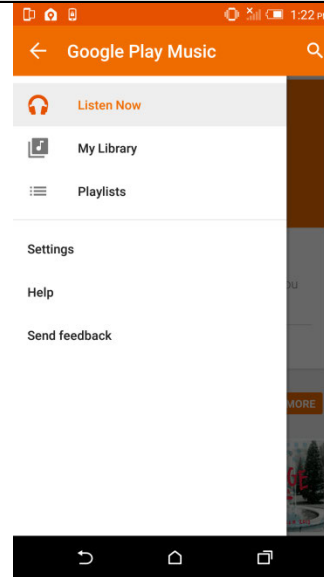
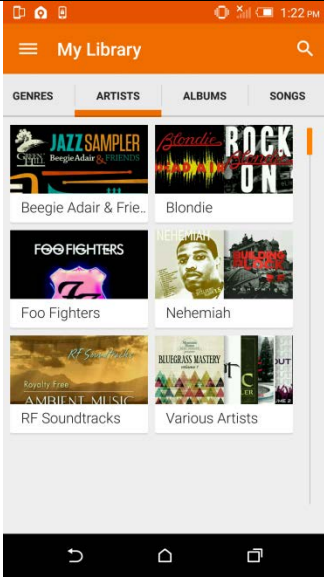


Fig. 2 – The music app has two modes: “Listen Now” and “My Library.” The “My Library” mode permits a user to navigate through music stored on the device.

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 3 – After selecting “My Library,” the first display screen displays categories, including “Albums,” “Artists,” and “Genres.”</p> |

'433 Claims

HTC One M9

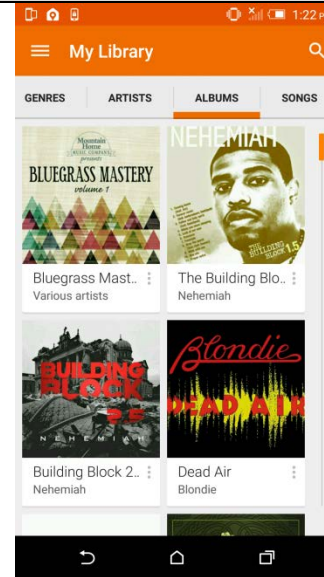

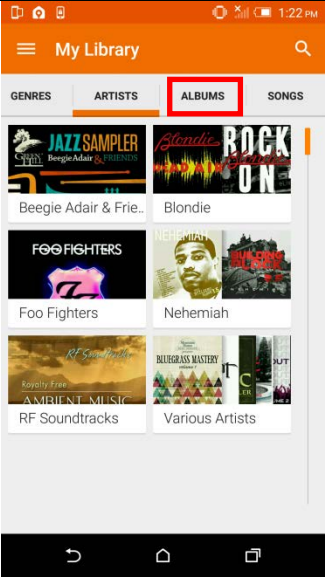
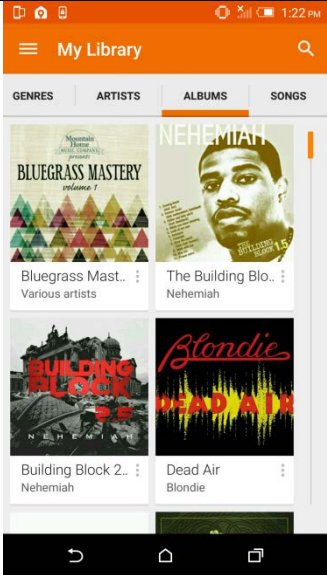
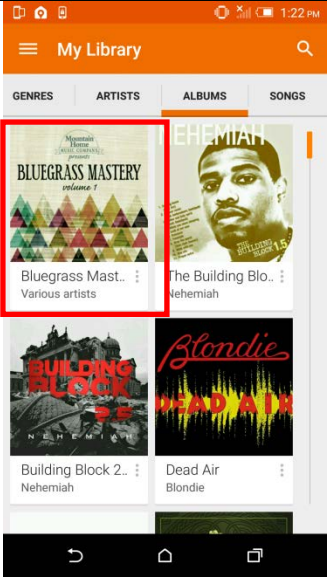



Fig. 4 – After selecting “Albums,” the second display screen displays albums stored on the device.

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 5 – After selecting an album, the third display screen displays tracks stored on the device associated with the selected album.</p> |
| (a) selecting a category in the first display screen of the portable media player; | <p>The HTC One M9 is operable to perform the step of selecting a category in the first display screen of the portable media player.</p> <p>The pre-installed Play Music application on the HTC One M9 allows a user to select a category in the first display screen. The category options include “Genres,” “Artists,” “Albums,” and “Songs.”</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 6 – In this example, the category “Albums” is selected.</p> |
| <p>(b) displaying the subcategories belonging to the selected category in a listing presented in the second display screen;</p> | <p>The HTC One M9 is operable to perform the step of displaying the subcategories belonging to the selected category in a listing presented in the second display screen.</p> <p>The pre-installed Play Music application on the HTC One M9 displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Albums” category in the first display screen, the Music application displays a second display screen containing album names.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 7 – After selecting “Albums,” the second display screen displays albums stored on the device.</p> |
| (c) selecting a subcategory in the second display screen; | <p>The HTC One M9 is operable to perform the step of selecting a subcategory in the second display screen.</p> <p>The pre-installed Play Music application on the HTC One M9 allows a user to select a subcategory in the second display screen. For example, if the user selected the “Albums” category in the first display screen, a user can select an album from the albums displayed on the second display screen.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>The screenshot shows the 'My Library' screen of the Play Music app on an HTC One M9. At the top, there are navigation icons and the time '1:22 PM'. Below the title 'My Library' is a search icon and a menu icon. A horizontal tab bar contains 'GENRES', 'ARTISTS', 'ALBUMS', and 'SONGS'. The 'ALBUMS' tab is selected. A grid of album covers is displayed. The album 'Bluegrass Mastery Vol. 1' by Various artists is highlighted with a red rectangular box. Other visible albums include 'The Building Block 2' by Nehemiah, 'Dead Air' by Blondie, and 'Building Block' by Nehemiah.</p> |
| (d) displaying the items belonging to the selected subcategory in a listing presented in the third display screen; and | <p>Fig. 8 – In this example, the album “Bluegrass Mastery Vol. 1” is selected from this list of albums.</p> <p>The HTC One M9 is operable to perform the step of displaying the items belonging to the selected subcategory in a listing presented in the third display screen.</p> <p>The pre-installed Play Music application on the HTC One M9 displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Bluegrass Mastery Vol. 1” album in the second display screen, the Music application displays a third display screen containing the music tracks stored on the HTC One M9 belonging to the selected album.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 9 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.</p> |
| <p>(e) accessing at least one track based on a selection made in one of the display screens.</p> | <p>The HTC One M9 is operable to perform the step of accessing at least one track based on a selection made in one of the display screens.</p> <p>The pre-installed Play Music application on the HTC One M9 will access a track, for example playing a track based on a selection made in one of the display screens. For example, when the user selects the track “Mystery Train” on the third display screen, the “Mystery Train” track begins playing.</p> |

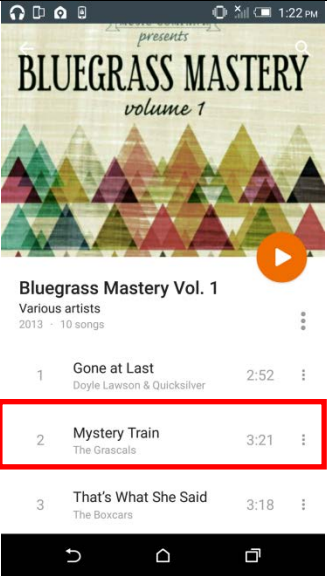
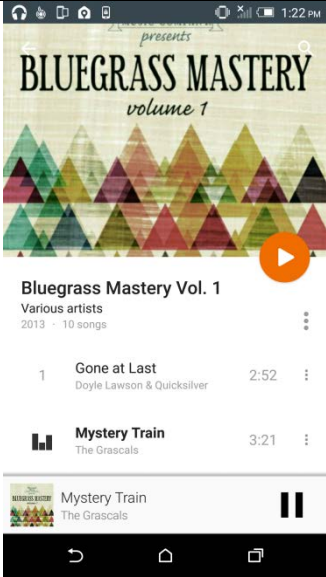
| '433 Claims | HTC One M9 |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows a music application interface on an HTC One M9. At the top, the status bar displays the time as 1:22 PM. Below the status bar, the album cover for 'Bluegrass Mastery Vol. 1' is shown, featuring a colorful geometric pattern of triangles. The album title 'BLUEGRASS MASTERY volume 1' is prominently displayed. Below the cover, the text 'presents BLUEGRASS MASTERY volume 1' is visible. The track list includes:</p> <ul style="list-style-type: none">1 Gone at Last (Doyle Lawson & Quicksilver) - 2:522 Mystery Train (The Grascals) - 3:213 That's What She Said (The Boxcars) - 3:18 <p>The track 'Mystery Train' is highlighted with a red rectangular box. An orange play button icon is visible over the album cover. At the bottom of the screen, the Android navigation bar shows the back, home, and recent apps buttons.</p> |

Fig. 10 – Selecting the “Mystery Train” track results in playing the selected track.

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 11 – Once selected, the track “Mystery Train” begins playing.</p> |
| <p>2. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> | <p>The HTC One M9 is operable to perform the step of accessing at least one track by selecting a subcategory in the second display screen and playing a plurality of tracks associated with the selected category.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the HTC One M9 is operable to play a plurality of tracks associated with the selected category. For example, the HTC One M9 allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The HTC One M9 then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of songs that is currently being played. The tracks added to the active queue list of songs that is currently being played will play sequentially.</p> <p>See discussion for claim 1.</p> |

'433 Claims

HTC One M9

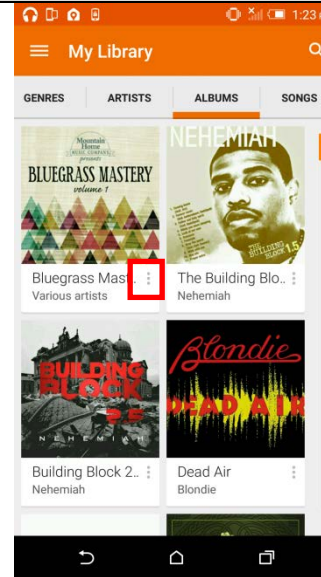


Fig. 12 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

'433 Claims

HTC One M9

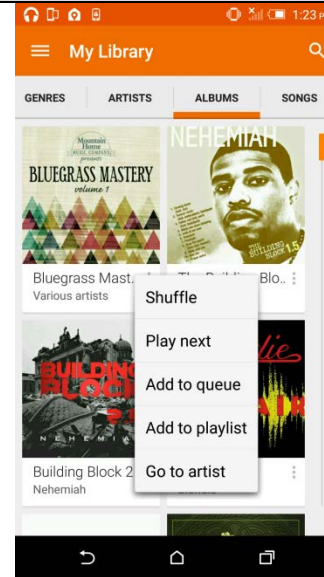


Fig. 13 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

HTC One M9

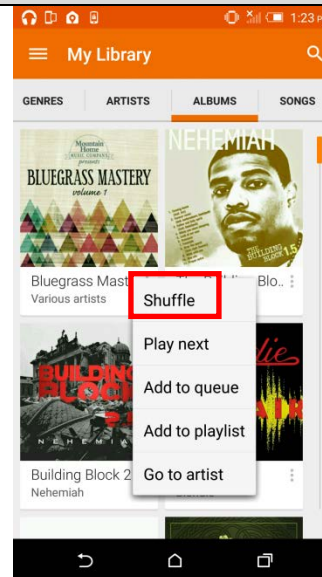
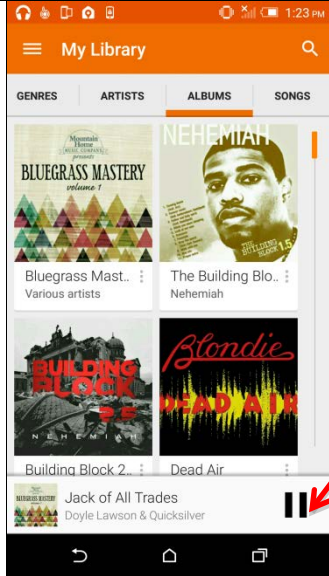


Fig. 14 – “Shuffle” is selected.

| '433 Claims | HTC One M9 |
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| |  <p>Track begins to play.</p> <p>Fig. 15 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

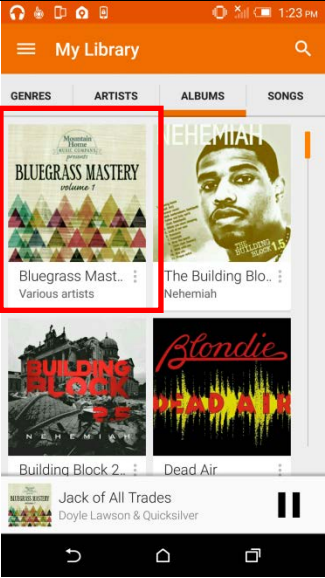
| '433 Claims | HTC One M9 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the 'My Library' screen of a music application on an HTC One M9. The interface includes a top navigation bar with 'My Library' and a search icon. Below this are tabs for 'GENRES', 'ARTISTS', 'ALBUMS', and 'SONGS'. The main area displays a grid of album covers. A red rectangular box highlights the album cover for 'Bluegrass Mastery volume 1' by 'Various artists'. Other visible album covers include 'The Building Block' by Nehemiah, 'Building Block 2', 'Dead Air' by Blondie, and 'Jack of All Trades' by Doyle Lawson & Quicksilver. The bottom of the screen shows the Android navigation bar.</p> |

Fig. 16 – The same album is then tapped.

'433 Claims

HTC One M9

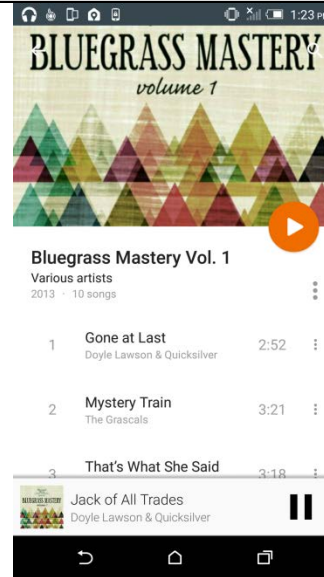


Fig. 17 – The third display screen displays the tracks from the album.

'433 Claims

HTC One M9

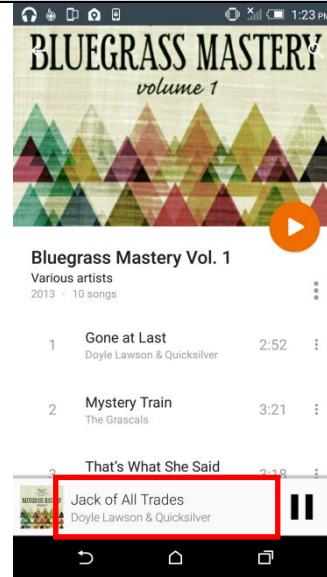

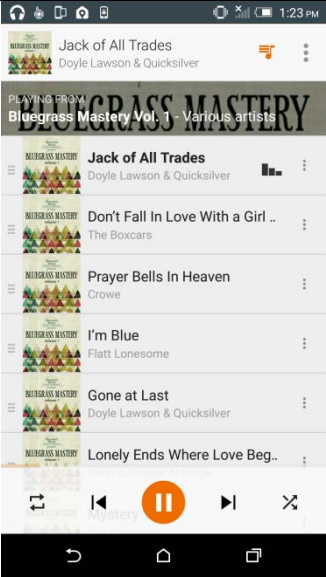


Fig. 18 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | HTC One M9 |
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| |  <p>The screenshot shows a music player interface on an HTC One M9. At the top, the text "HTC One M9" is displayed. Below it, the song title "Jack of All Trades" by Doyle Lawson & Quicksilver is shown. The album cover for "Home Music Company presents JEGRASS MASTER volume 1" is visible. A red box highlights the playlist icon (three horizontal lines) in the top right corner of the music player. The bottom of the screen shows standard music player controls: shuffle, previous, play/pause, next, and repeat. The time 0:14 is shown on the left and 2:58 on the right of the progress bar.</p> <p>Fig. 19 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 20 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>3. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> | <p>The HTC One M9 is operable to perform the step of accessing at least one track by selecting a subcategory and adding the tracks associated with the selected subcategory to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the HTC One M9 is operable to add a plurality of tracks associated with the selected category to a playlist. For example, the HTC One M9 allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The HTC One M9 then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of currently playing music.</p> <p>See discussion for claims 1 and 2.</p> |

'433 Claims

HTC One M9

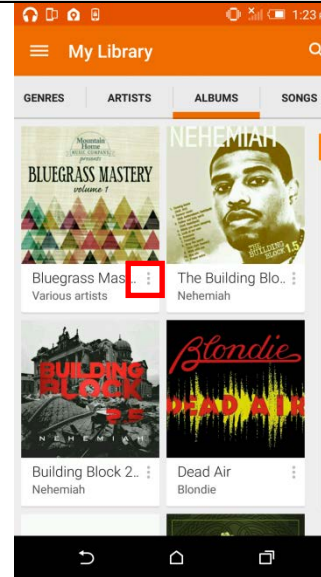
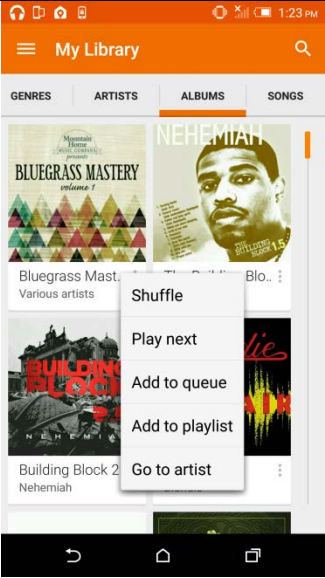


Fig. 21 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

| '433 Claims | HTC One M9 |
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| |  <p>The screenshot shows the 'My Library' screen of a music application on an HTC One M9. The 'ALBUMS' tab is selected. Two album covers are visible: 'Bluegrass Mastery Volume 1' by Various artists and 'Building Block 2' by Nehemiah. A context menu is open over the 'Bluegrass Mastery' album, listing options: Shuffle, Play next, Add to queue, Add to playlist, and Go to artist. The phone's status bar at the top shows the time as 1:23 PM.</p> <p>Fig. 22 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”</p> |

'433 Claims

HTC One M9

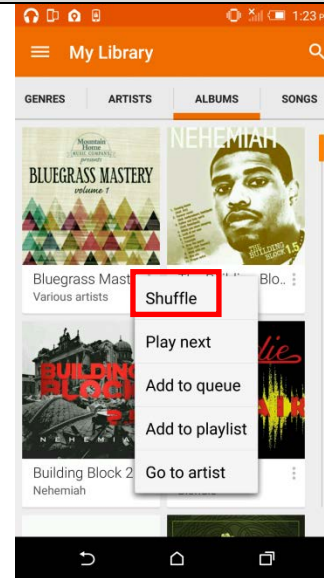
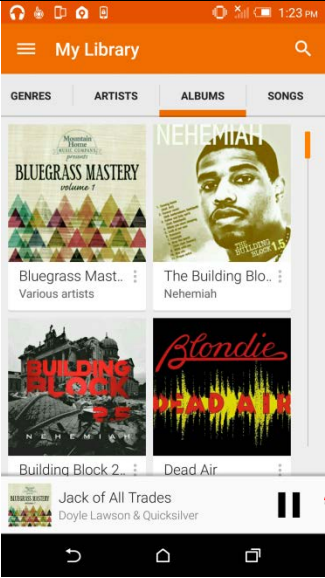
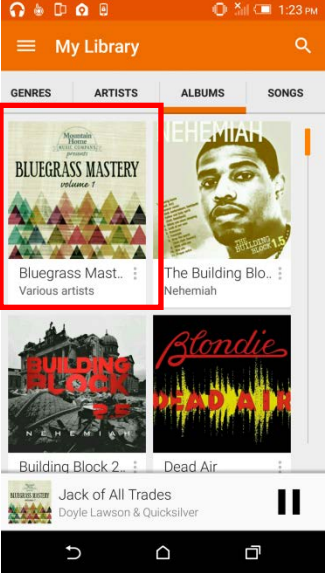


Fig. 23 – “Shuffle” is selected.

| '433 Claims | HTC One M9 |
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| |  <p>Track begins to play.</p> <p>Fig. 24 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 25 – The same album is then tapped.</p> |

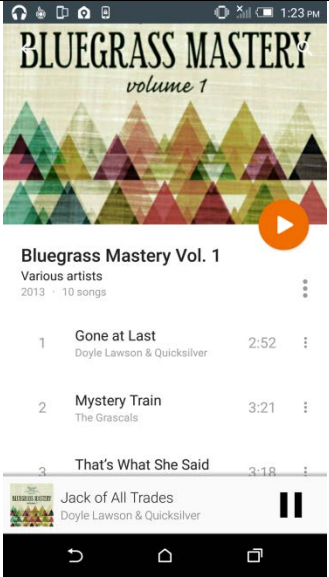
| '433 Claims | HTC One M9 |
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| |  <p>The screenshot shows the HTC One M9 displaying a music application interface. At the top, the status bar shows the time as 1:23 PM. The main display features the album cover for 'Bluegrass Mastery volume 1' by Various artists, released in 2013. Below the cover, the album title 'Bluegrass Mastery Vol. 1' is displayed, followed by 'Various artists' and '2013 · 10 songs'. A list of tracks is shown, including 'Gone at Last' by Doyle Lawson & Quicksilver (2:52), 'Mystery Train' by The Grascals (3:21), and 'That's What She Said' (3:18). The current track playing is 'Jack of All Trades' by Doyle Lawson & Quicksilver, which is shown in a playback bar at the bottom with a pause button.</p> |

Fig. 26 – The third display screen displays the tracks from the album.

'433 Claims

HTC One M9

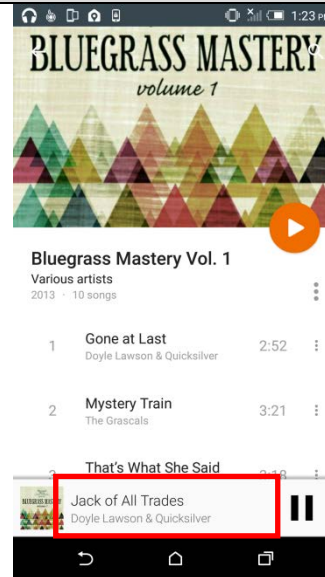

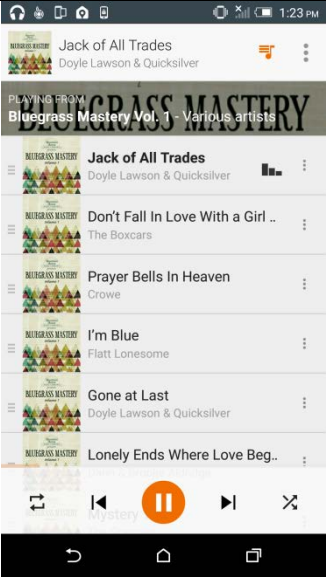


Fig. 27 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | HTC One M9 |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the music player interface on an HTC One M9. At the top, the status bar displays the time as 1:23 PM. Below the status bar, the song title "Jack of All Trades" by Doyle Lawson & Quicksilver is shown. The album cover for "Home Music Company presents JEGRESS MASTER volume 1" is displayed. A red box highlights the playlist icon (three horizontal lines) in the top right corner of the music player. Below the album cover, the progress bar shows 0:14 of a 2:58 track. At the bottom, the music player controls include a shuffle button, a previous button, a play/pause button, a next button, and a repeat button. The Android navigation bar is visible at the very bottom.</p> <p>Fig. 28 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 29 – The queue shows that all of the tracks from the album have been added to the queue.</p> |
| <p>5. The method of selecting a track as recited in claim 1 wherein the accessing at least one track comprises selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> | <p>The HTC One M9 is operable to perform the step of accessing at least one track by selecting an item in the third display screen and adding at least one track associated with the selected item to a playlist.</p> <p>After selecting a subcategory from the second screen, the pre-installed Play Music application on the HTC One M9 is operable to add a track associated with the selected subcategory to a playlist. For example, the HTC One M9 allows a user to select an album from the second display screen, and then from the third display screen the HTC One M9 allows a user to select a track from that album resulting in all of the tracks from the album being added to the queue.</p> <p>See discussion for claim 1.</p> |

'433 Claims

HTC One M9

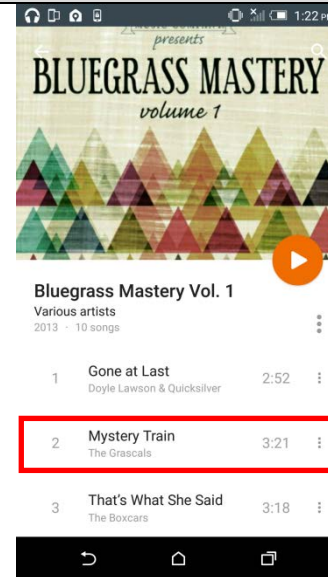
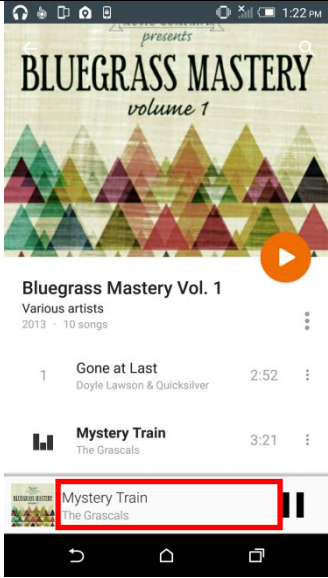

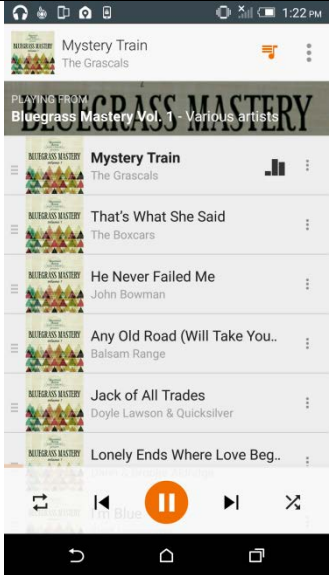
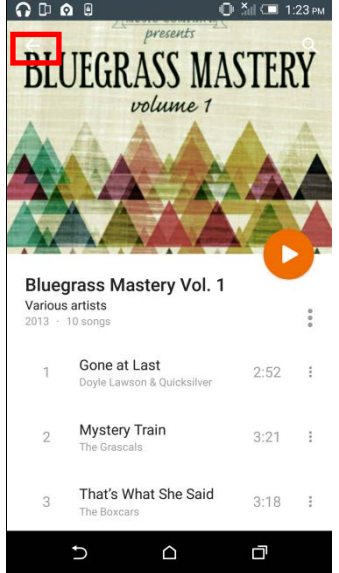


Fig. 30 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 31 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 32 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 33 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>7. The method of selecting a track as recited in claim 1 wherein the accessing at least one track is made after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> | <p>The HTC One M9 is operable to perform the step of accessing at least one track after the presentation of the third display screen by reverting back to one of the second and first display screens, the second display screen presented sequentially after the third display screen.</p> <p>See discussion for claims 1 and 2.</p> <p>The HTC One M9 allows a user to, instead of (or in addition to) selecting a track on the third display screen, select the back arrow at the top left of the third display screen. The HTC One M9 then displays the second display screen again. From the second display screen, the HTC One M9 allows a user to tap the three vertical dots in the bottom right corner of an album to bring up a menu of actions to be performed related to the album. The HTC One M9 then allows a user to then tap the “Shuffle” button to add the tracks of that album in a random order to the active queue list of currently playing music.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 34 – On the third display screen, the arrow in the top left of the screen is selected.</p> |

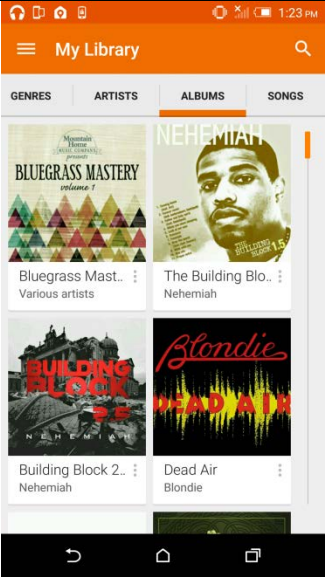
| '433 Claims | HTC One M9 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>The screenshot shows the 'My Library' screen of a music application on an HTC One M9. The interface features a top navigation bar with 'My Library' and a search icon. Below this are tabs for 'GENRES', 'ARTISTS', 'ALBUMS', and 'SONGS'. The 'ALBUMS' tab is selected, displaying a grid of album covers. The visible covers include 'Bluegrass Mastery volume 1' by Various artists, 'The Building Block' by Nehemiah, 'Building Block 2' by Nehemiah, and 'Dead Air' by Blondie. The bottom of the screen shows the standard Android navigation bar.</p> |

Fig. 35 – The second display screen is then displayed again.

'433 Claims

HTC One M9

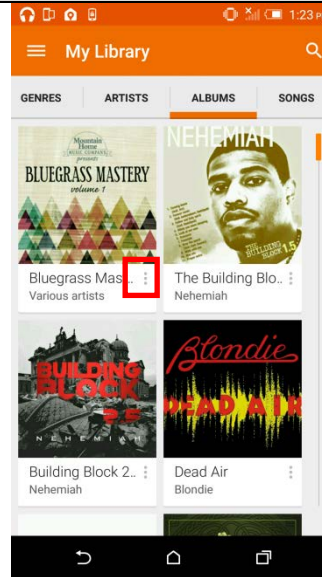


Fig. 36 – On the second display screen, tapping the three vertical dots on the bottom right corner of an album presents the user with several options including “Shuffle.”

'433 Claims

HTC One M9

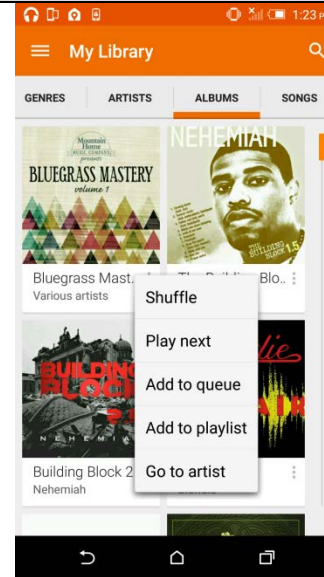


Fig. 37 – After tapping the three vertical dots on the bottom right corner of the album “Bluegrass Mastery Vol. 1,” the user is presented with multiple options including “Shuffle.”

'433 Claims

HTC One M9

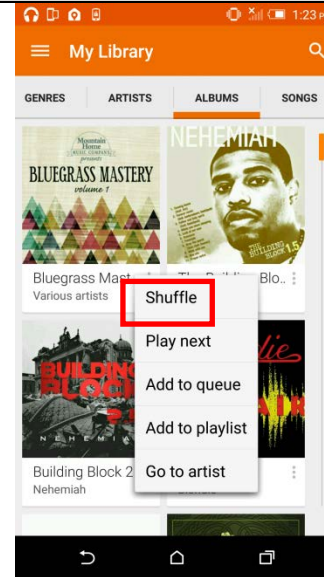
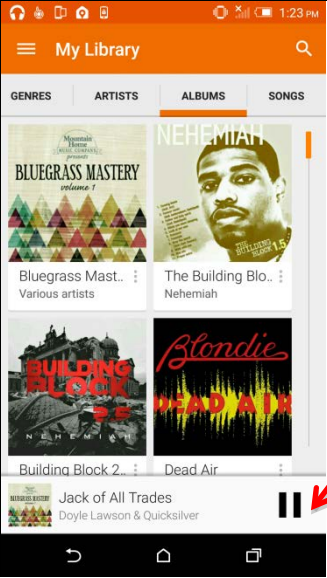


Fig. 38 – “Shuffle” is selected.

| '433 Claims | HTC One M9 |
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| |  <p>Track begins to play.</p> |
| <p>Fig. 39 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> | |

'433 Claims

HTC One M9

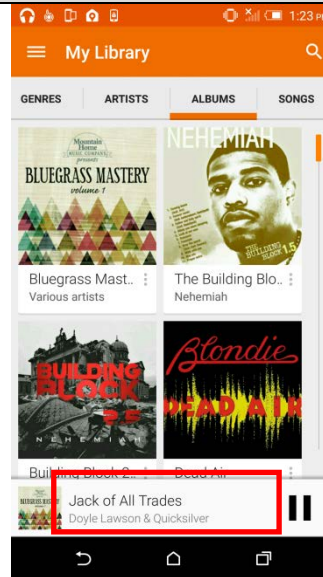


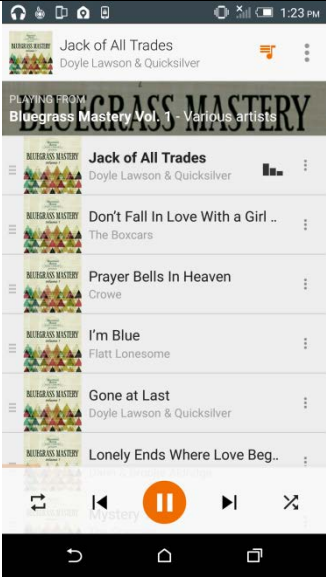


Fig. 40 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 41 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>The screenshot shows a music player interface on an HTC One M9. At the top, the status bar displays the time as 1:23 PM. Below the status bar, the album cover for 'Bluegrass Mastery Vol. 1' by Various artists is shown. The current track playing is 'Jack of All Trades' by Doyle Lawson & Quicksilver. Below the album cover, a queue of tracks is displayed, including 'Jack of All Trades', 'Don't Fall In Love With a Girl ..', 'Prayer Bells In Heaven', 'I'm Blue', 'Gone at Last', and 'Lonely Ends Where Love Beg..'. The bottom of the screen shows standard music player controls: a play/pause button, a previous track button, a next track button, and a shuffle button.</p> <p>Fig. 42 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>17. The method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The HTC One M9 is operable to perform the method of selecting a track as recited in claim 3 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 3.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>The screenshot shows a music player interface on an HTC One M9. At the top, it displays the album title 'Bluegrass Mastery Vol. 1 - Various artists' and the current track 'Jack of All Trades' by Doyle Lawson & Quicksilver. Below this, a list of tracks is shown: 'Jack of All Trades', 'Don't Fall In Love With a Girl ..', 'Prayer Bells In Heaven', 'I'm Blue', 'Gone at Last', and 'Lonely Ends Where Love Beg..'. The interface includes standard playback controls like play/pause, previous, next, and shuffle buttons at the bottom.</p> <p>Fig. 43 – The tracks from the selected album have been added to the active queue list of songs that is currently being played.</p> |
| <p>18. The method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The HTC One M9 is operable to perform the method of selecting a track as recited in claim 5 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 5.</p> |


| '433 Claims | HTC One M9 |
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| |  <p>The screenshot shows a music player interface on an HTC One M9. At the top, the album title 'Bluegrass Mastery Vol. 1 - Various artists' is displayed. Below it, a list of tracks is shown, including 'Mystery Train' by The Grascals, 'That's What She Said' by The Boxcars, 'He Never Failed Me' by John Bowman, 'Any Old Road (Will Take You..)' by Balsam Range, 'Jack of All Trades' by Doyle Lawson & Quicksilver, and 'Lonely Ends Where Love Beg..'. The interface includes standard music player controls like play/pause, previous, next, and shuffle buttons.</p> |
| <p>19. The method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> | <p>The HTC One M9 is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is associated with a plurality of tracks, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected item to a playlist.</p> <p>See claim 5.</p> |

Fig. 44 – All of the tracks associated with the “Bluegrass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.

'433 Claims

HTC One M9

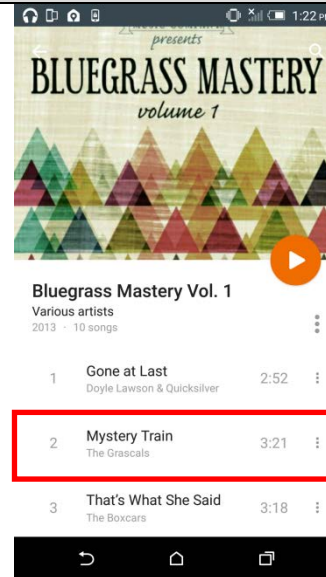
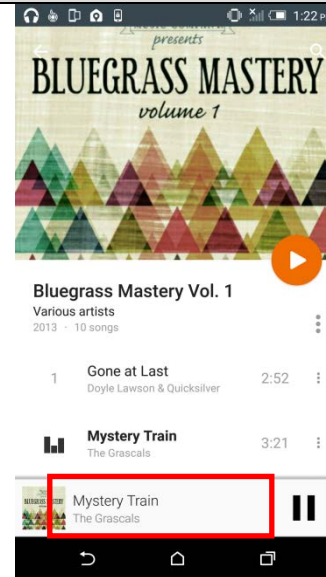


Fig. 45 – Selecting the “Mystery Train” track on the third display screen results in adding all of the tracks from the album to the queue.



Track begins to play.

Fig. 46 – Once selected, the track “Mystery Train” begins playing from the queue. All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

HTC One M9



Fig. 47 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.



| '433 Claims | HTC One M9 |
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| |  <p>The screenshot shows a music player interface on an HTC One M9. At the top, the album title 'Bluegrass Mastery Vol. 1 - Various artists' is displayed. Below it, a queue of tracks is listed: 'Mystery Train' by The Grascals, 'That's What She Said' by The Boxcars, 'He Never Failed Me' by John Bowman, 'Any Old Road (Will Take You..)' by Balsam Range, 'Jack of All Trades' by Doyle Lawson & Quicksilver, and 'Lonely Ends Where Love Beg..'. The 'Mystery Train' track is currently playing, as indicated by the 'PLAYING FROM' label and the progress bar. The interface includes standard music player controls at the bottom, such as play/pause, previous, next, and shuffle buttons.</p> |
| <p>20. The method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The HTC One M9 is operable to perform the method of selecting a track as recited in claim 19 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 19.</p> |

Fig. 48 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.

| '433 Claims | HTC One M9 |
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| |  <p>The screenshot shows the HTC One M9 music player interface. At the top, the status bar displays the time as 1:22 PM. The main display area shows a playlist titled 'Bluegrass Mastery Vol. 1 - Various artists'. The playlist includes the following tracks: 'Mystery Train' by The Grascals, 'That's What She Said' by The Boxcars, 'He Never Failed Me' by John Bowman, 'Any Old Road (Will Take You..)' by Balsam Range, 'Jack of All Trades' by Doyle Lawson & Quicksilver, and 'Lonely Ends Where Love Beg..'. The 'Mystery Train' track is currently playing, as indicated by the 'PLAYING FROM' label and the orange play button icon in the bottom control bar.</p> <p>Fig. 49 – All of the tracks associated with the “Blue Grass Mastery Vol. 1” album have been added to the active queue list of songs that is currently being played.</p> |
| <p>21. The method of selecting a track as recited in claim 5 where in the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> | <p>The HTC One M9 is operable to perform the method of selecting a track as recited in claim 5 wherein the selected item in the third display screen is a selected album name, and wherein the accessing at least one track comprises adding the plurality of tracks associated with the selected album name to a playlist.</p> <p>See claim 5.</p> <p>For example, if on the first display screen the “Genres” category is selected and a genre is selected on the second display screen, the HTC One M9 displays albums on the third display screen. The HTC One M9 then allows a user to select an album name and select shuffle, which adds all of the tracks associated with the selected album name to the active queue list of songs that is currently being played.</p> |

'433 Claims

HTC One M9

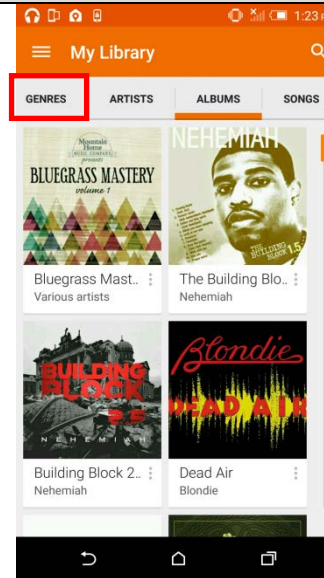


Fig. 50 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.

'433 Claims

HTC One M9

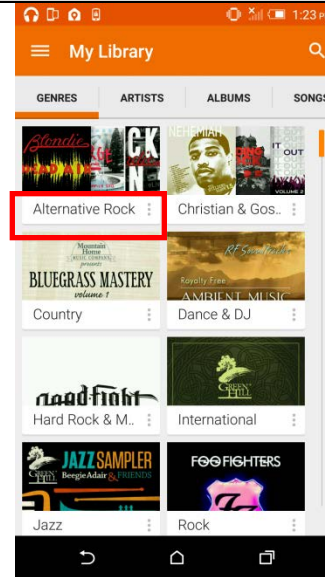


Fig. 51 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.

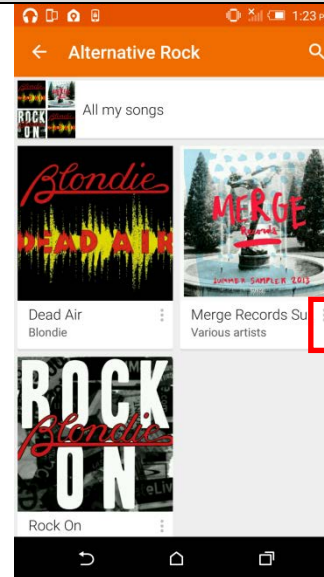


Fig. 52 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

'433 Claims

HTC One M9

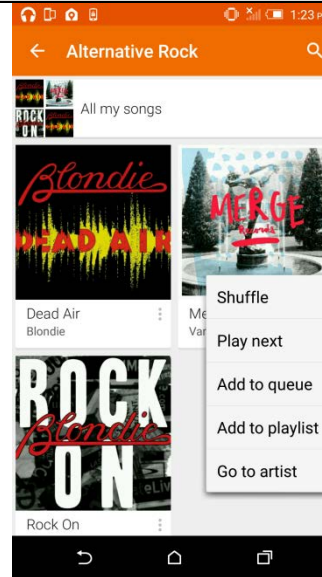


Fig. 53 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

HTC One M9

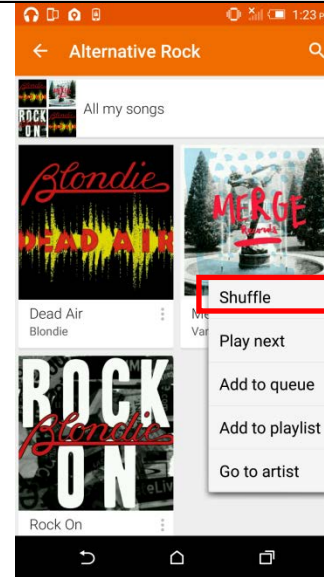
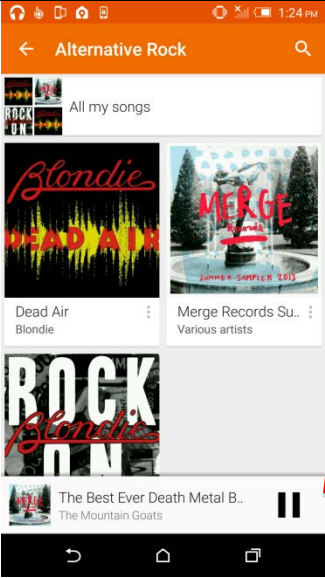


Fig. 54 – “Shuffle” is selected.

| '433 Claims | HTC One M9 |
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| |  <p>Track begins to play.</p> <p>Fig. 55 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

'433 Claims

HTC One M9

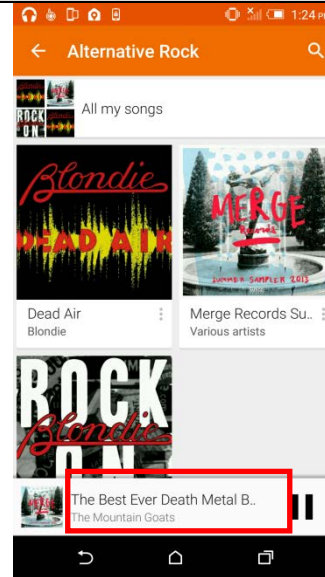


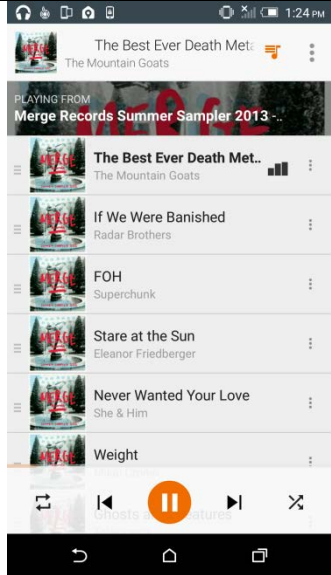
Fig. 56 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.

'433 Claims

HTC One M9



Fig. 57 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 58 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>22. The method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The HTC One M9 is operable to perform the method of selecting a track as recited in claim 21 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 21.</p> |

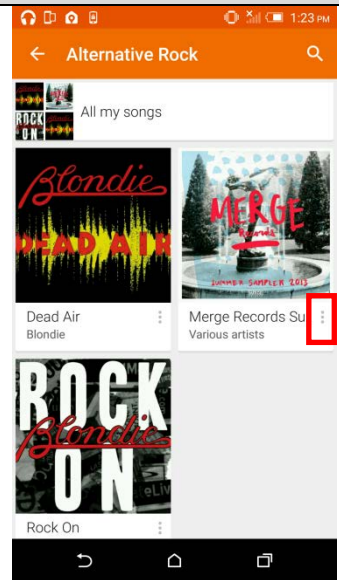


Fig. 59 – After selecting “Alternative Rock,” the third display screen displays album names associated with the selected genre of alternative rock. In this example, the album name “Merge Records Summer Sampler 2013” is selected by tapping on the three vertical dots on the bottom right corner of the album.

'433 Claims

HTC One M9

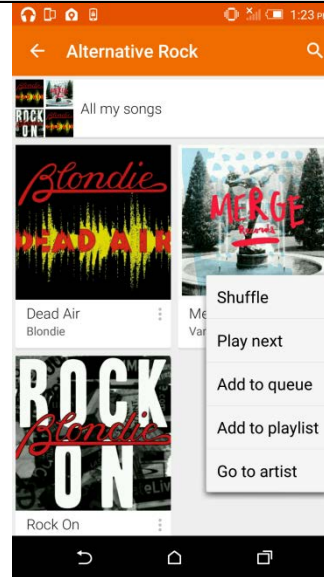


Fig. 60 – After tapping the three vertical dots on the bottom right corner of the album “Merge Records Summer Sampler 2013,” the user is presented with multiple options including “Shuffle.”

'433 Claims

HTC One M9

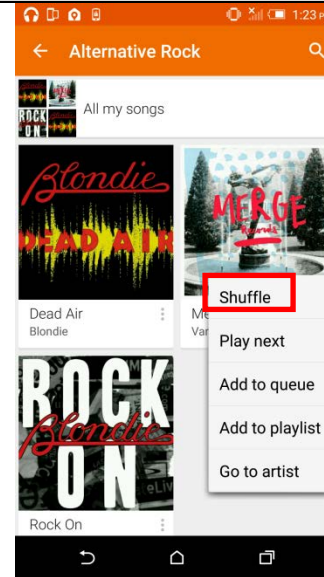
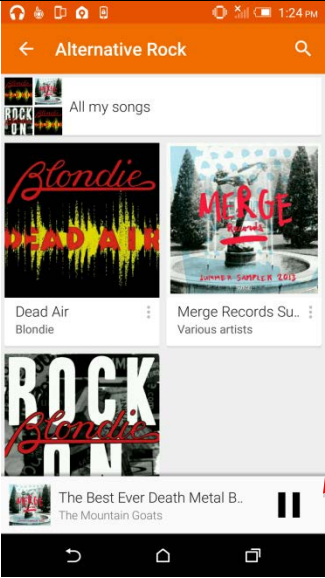
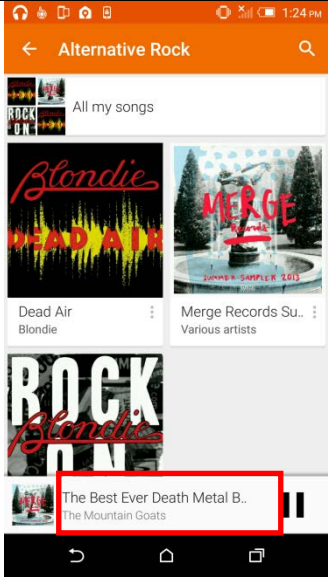


Fig. 61 – “Shuffle” is selected.

| '433 Claims | HTC One M9 |
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| |  <p>Track begins to play.</p> <p>Fig. 62 – All of the tracks from the Album have been added to the queue. The first of the randomized tracks from the album begins to play.</p> |

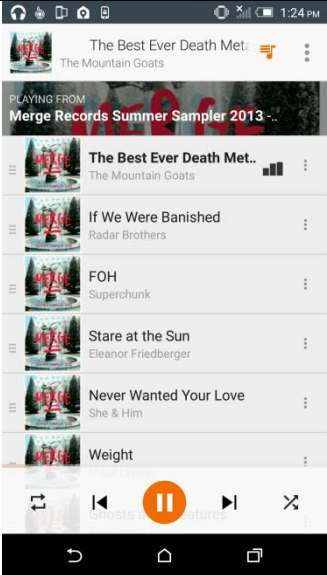
| '433 Claims | HTC One M9 |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |  <p>Fig. 63 – All of the tracks from the album have been added to the queue. This can be seen by first selecting the now playing bar.</p> |

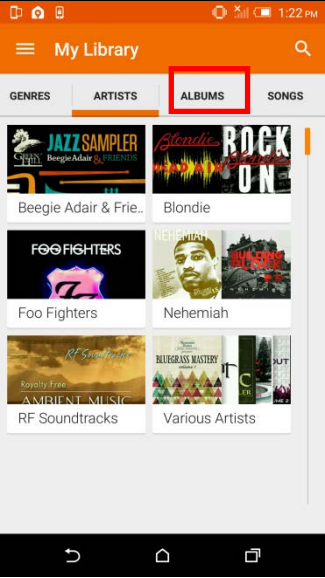
'433 Claims

HTC One M9



Fig. 64 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 65 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| 23. The method of selecting a track as recited in claim 1 wherein: | The HTC One M9 is operable to perform the method of selecting a track as recited in claim 1. See discussion for claim 1. |
| (a) the category album is selected in the first display screen from available categories that include at least artist and album; | The HTC One M9 is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist and album. See discussion for claim 1. |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 66 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Albums” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected; and</p> | <p>The HTC One M9 is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> |

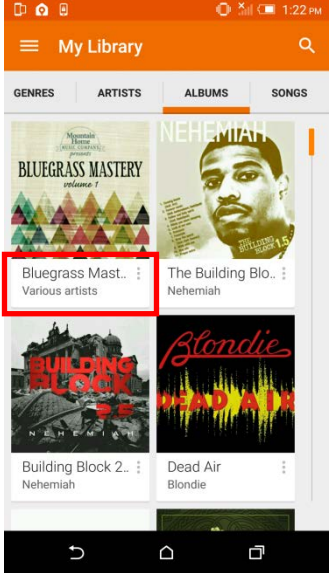
| '433 Claims | HTC One M9 |
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| |  <p>Fig. 67 – After selecting “Albums,” the second display screen displays albums stored on the device. In this example, the album “Bluegrass Mastery Vol. 1” is selected.</p> |
| <p>(c) the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> | <p>The HTC One M9 is operable to perform the method of claim 1 wherein the accessing at least one track comprises adding a plurality of tracks associated with the selected album name to a playlist.</p> <p>See discussion for claims 1 and 3.</p> |



Fig. 68 – After selecting an album, the third display screen displays tracks on the device associated with the selected album.

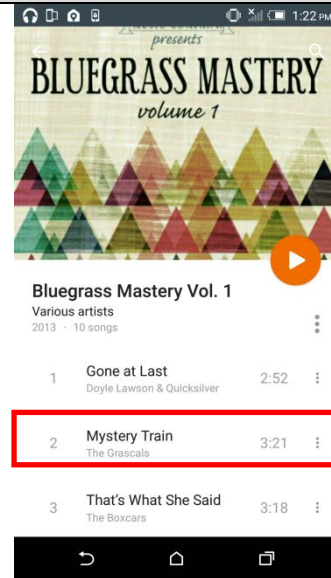
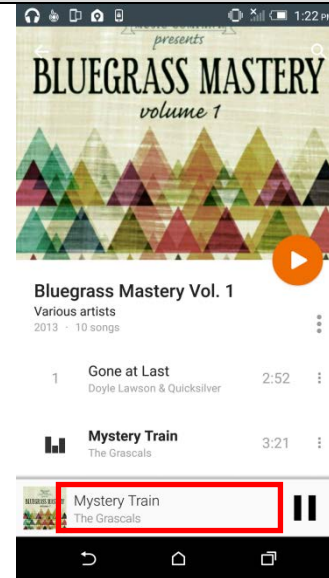


Fig. 69 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.


'433 Claims


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Track begins to play.

Fig. 70 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 71 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>The screenshot shows a music player interface on an HTC One M9. At the top, the album 'Bluegrass Mastery Vol. 1' by 'Various artists' is displayed. Below the album title, a queue of tracks is listed: 'Mystery Train' by The Grascals (currently playing), 'That's What She Said' by The Boxcars, 'He Never Failed Me' by John Bowman, 'Any Old Road (Will Take You..)' by Balsam Range, 'Jack of All Trades' by Doyle Lawson & Quicksilver, and 'Lonely Ends Where Love Beg..'. The interface includes standard music player controls at the bottom, such as play/pause, previous, next, and shuffle buttons.</p> <p>Fig. 72 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>24. The method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> | <p>The HTC One M9 is operable to perform the method of selecting a track as recited in claim 23 wherein the playlist is an active queue list of songs that is currently being played.</p> <p>See discussion for claim 23.</p> |

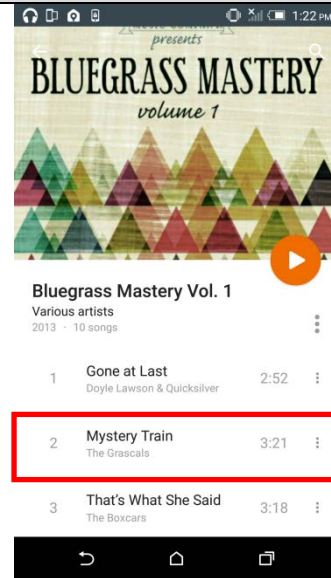
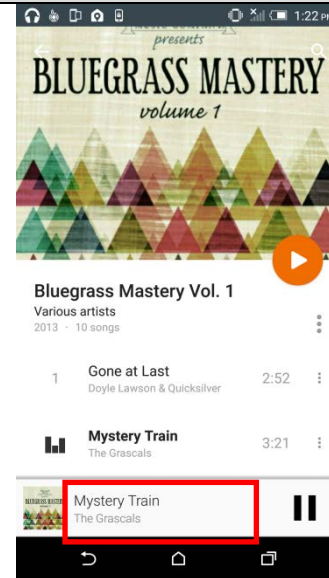


Fig. 73 – Selecting the “Mystery Train” track results in adding all of the tracks from the album to the queue.


'433 Claims


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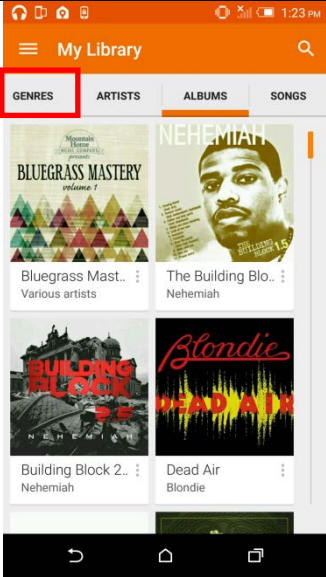


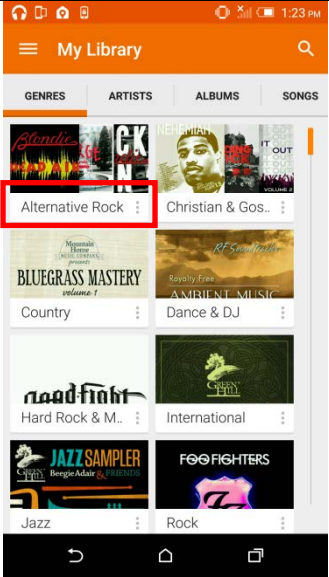
Track begins to play.

Fig. 74 – Once the track is selected, all of the tracks from the third display screen are added to the queue. This can be seen by first selecting the now playing bar.

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 75 – The queue can then be viewed by selecting the playlist icon from the top right corner next to the three vertical dots.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 76 – The queue shows that all of the tracks from the album have been added to the queue, and when the currently playing track ends, the next track in the queue from the album will play.</p> |
| <p>25. The method of selecting a track as recited in claim 1 wherein:</p> | <p>The HTC One M9 is operable to perform the method of selecting a track as recited in claim 1. See discussion for claim 1.</p> |
| <p>(a) the category genre is selected in the first display screen from available categories that include at least artist, album, and genre;</p> | <p>The HTC One M9 is operable to perform the method of claim 1 wherein the category album is selected in the first display screen from available categories that include at least artist, album, and genre. See discussion for claim 1.</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 77 – The first display screen displays categories, including “Genres,” “Albums,” “Artists,” and “Songs.” In this example, “Genres” is selected.</p> |
| <p>(b) the subcategories listed in the second display screen comprise a listing of a plurality of genre types, and one of one genre types is selected;</p> | <p>The HTC One M9 is operable to perform the method of claim 1 wherein the subcategories listed in the second display screen comprise a listing of album names and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the HTC One M9 displays the corresponding subcategories in a second display screen when a user selects one of the categories in the first display screen. For example, if the user selects the “Genres” category in the first display screen, the Music application displays a second display screen containing genre types. The pre-installed Play Music application on the HTC One M9 then allows a user to select a subcategory in the second display screen, such as “Alternative Rock.”</p> |

| '433 Claims | HTC One M9 |
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| |  <p>Fig. 78 – After selecting “Genres,” the second display screen displays genres associated with albums stored on the device. In this example, the genre “Alternative Rock” is selected.</p> |
| <p>(c) the items displayed in the third display screen comprise a listing of a plurality of album names associated with the selected genre type, and one of the album names is selected; and</p> | <p>The HTC One M9 is operable to perform the method of claim 1 wherein the items listed in the third display screen comprise a listing of album names associated with the selected genre type and one of the album names is selected.</p> <p>See discussion for claim 1.</p> <p>The pre-installed Play Music application on the HTC One M9 displays the corresponding items in a third display screen when a user selects one of the subcategories in the second display screen. For example, if a user selects the “Alternative Rock” genre in the second display screen, the Music application displays a third display screen containing the album names stored on the HTC One M9 belonging to the selected genre. The pre-installed Play Music application on the HTC One M9 then allows a user to select an item in the third display screen, such as the album name “Merge Records Summer Sampler 2013.”</p> |