<u>Trials@uspto.gov</u> 571-272-7822 Paper 20 Entered: May 20, 2014

UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD; SAMSUNG ELECTRONICS AMERICA, INC.; SAMSUNG TELECOMMUNICATIONS AMERICA, LLC; LG ELECTRONICS, INC.; LG ELECTRONICS U.S.A., INC.; LG ELECTRONICS MOBILECOMM USA, INC.; HTC CORP., and HTC AMERICA, INC. Petitioners

v.

AFFINITY LABS OF TEXAS, LLC Patent Owner

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Case IPR2014-00209 Patent 7,953,390 B2

Before KEVIN F. TURNER, LYNNE E. PETTIGREW, and JON B. TORNQUIST, *Administrative Patent Judges*.

TORNQUIST, Administrative Patent Judge.

DECISION Institution of *Inter Partes* Review 37 C.F.R. § 42.108

I. INTRODUCTION

On December 2, 2013, Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., Samsung Telecommunications America, LLC, LG Electronics, Inc., LG Electronics U.S.A., Inc., LG Electronics Mobilecomm USA, Inc., HTC Corp., and HTC America, Inc. ("Petitioners") filed a Petition for *inter partes* review of claims 16, 19, and 20 of U.S. Patent 7,953,390 B2 ("the '390 patent"). Paper 1. On December 12, 2013, Petitioners filed a corrected Petition. Paper 11 ("Pet."). The owner of the '390 patent, Affinity Labs of Texas, LLC ("Patent Owner"), filed a Preliminary Response to the Petition on March 7, 2014. Paper 19 ("Prelim. Resp."). We have jurisdiction under 35 U.S.C. § 314.

The standard for instituting an *inter partes* review is set forth in 35

U.S.C. § 314(a), which provides:

THRESHOLD – The Director may not authorize an inter partes review to be instituted unless the Director determines that the information presented in the petition filed under section 311 and any response filed under section 313 shows that there is a reasonable likelihood that the petitioner would prevail with respect to at least 1 of the claims challenged in the petition.

Upon consideration of the Petition and the Preliminary Response, we determine that there is a reasonable likelihood that Petitioners would prevail with respect to claims 16, 19, and 20 of the '390 patent. Accordingly, pursuant to 35 U.S.C. § 314, we authorize an *inter partes* review to be instituted as to those claims.

A. Related Proceedings

The '390 patent is being asserted in *Affinity Labs of Texas, LLC v.* Samsung Electronics Co., Ltd., No. 1:12-cv-557 (E.D. Tex.). Paper 18. The '390 patent is also the subject of pending *inter partes* review petition

IPR2014-00212. Id.; Pet. 8.

B. Prior Art Relied Upon

Petitioners rely on the following prior art references:

Galensky	US 6,845,398 B1	Jan. 18, 2005	Ex. 1003
Bork	US 6,633,932 B1	Oct. 14, 2003	Ex. 1004
Boys	US 6,314,094 B1	Nov. 6, 2001	Ex. 1005
Aaron	US 4,345,147	Aug. 17, 1982	Ex. 1006
Ravi	US 6,292,834 B1	Sep. 18, 2001	Ex. 1007
Carmel	US 6,389,473 B1	May 14, 2002	Ex. 1008

C. The Asserted Grounds

Petitioners assert the following grounds of unpatentability (Pet. 9):

References	Basis	Claims
Galensky and Bork	§103	16, 19, and 20
Galensky, Bork, and Carmel	§103	19
Boys, Aaron, and Ravi	§103	16, 19, and 20
Boys, Aaron, Ravi, and Carmel	§103	19

D. The '390 Patent

The '390 patent is directed to a delivery system for digitally stored content. Ex. 1001, 1:17-19. In particular, the '390 patent relates to the wireless delivery of media content, such as songs, video, on-line radio stations, on-line broadcasts, and text. *Id.* at 2:55-59, 3:10-15, 3:37-39, 14:41-44.

Many different wireless devices may be used to select and receive media content in the system and method of the '390 patent, including "a

network radio, a modular device, an audio system, a personal digital assistant (PDA), a cellular phone, or other electronic devices operable to receive information wirelessly." *Id.* at 4:29-32. In at least one embodiment, the wireless device contains a physical interface that allows a different electronic device simultaneously to communicate with, and to recharge the battery of, the wireless device using a single cable having multiple conductive elements. *See id.* at 17:18-62, 20:9-20.

In one embodiment of the '390 patent, a user selects desired audio information from a webpage. *Id.* at 14:34-44. This audio information may include "a single song, a plurality [of] different songs," or "an entire album." *Id.* at 14:42-44. After the user finishes selecting the desired songs, the system creates both a playlist and a listing of "network or URL locations" where the songs on the playlist may be found. *Id.* at 14:44-53. The songs on the playlist then are retrieved from one or more of the listed network locations and streamed to the user. *Id.* at 5:58-6:10, 14:50-61, 15:46-51.

The selected songs may be streamed to a user over a high-speed wireless communications network. *Id.* at 5:64-6:7. In this embodiment, selected content is delivered initially to the wireless device at a high transmission rate. *Id.* Once a sufficient buffer has been established in the memory of the wireless device, the rest of the selected content then is transmitted at a second, slower rate. *Id.*

E. Illustrative Claims

Of the challenged claims, only claim 16 is independent. Claim 16 and dependent claim 19 are illustrative of the claims at issue and are reproduced below:

16. A system for content delivery, comprising: a portable device having a display, a local rechargeable battery, a wireless communication system, and a processor;

a physical interface of the portable device, the physical interface configured to connect to an interface system that includes a cable having multiple conductive elements, wherein the physical interface is designed such that a different electronic device can be communicatively coupled with the physical interface of the portable device using the interface system in a manner that allows the different electronic device to recharge the local rechargeable battery using at least one of the multiple conductive elements and to communicate with the portable device using at least one other of the multiple conductive elements; and

a computer-readable medium having stored instructions that when executed are operable to cause the processor: (1) to present an icon on the display, the icon associated with content that is deliverable as streaming media; (2) to recognize a selection of the icon; and (3) to switch between a set of communication rates at which the portable device receives a first portion and a second portion of the content, wherein the set of communication rates comprise at least a first data rate and a second data rate that is slower than the first data rate.

19. The system of claim 16, wherein the stored instructions are further operable to cause the processor: (1) to obtain a listing of network locations at which to access the streaming media; and (2) to cause a first of the network locations to be accessed to facilitate a streaming delivery of the streaming media.

(line breaks added for readability).

II. ANALYSIS

A. Claim Construction

In an *inter partes* review, "[a] claim in an unexpired patent shall be given its broadest reasonable construction in light of the specification of the

patent in which it appears." 37 C.F.R. § 42.100(b); *see also* Office Patent Trial Practice Guide, 77 Fed. Reg. 48,756, 48,766 (Aug. 14, 2012). In determining the broadest reasonable construction, a claim term is presumed to carry its ordinary and customary meaning. *See In re Translogic Tech., Inc.*, 504 F.3d 1249, 1257 (Fed. Cir. 2007). This presumption may be rebutted when a patentee, acting as a lexicographer, sets forth an alternate definition of a term in the specification with reasonable clarity, deliberateness, and precision. *In re Paulsen*, 30 F.3d 1475, 1480 (Fed. Cir. 1994).

Petitioners provide proposed constructions for multiple claim terms. Pet. 15-18. Patent Owner disputes one of these constructions and submits its own proposed construction. Prelim. Resp. 6-7. For this decision, we construe only the one claim term we deem necessary for institution.

A listing of network locations at which to access the streaming media

Petitioners' Proposal	Patent Owner's Proposal
A list of sources, addresses or links	A list of network addresses
for streaming media that is available	corresponding to portions of an
on a network. Pet. 17.	available media. Prelim. Resp. 6-7.

Petitioners assert that the "listing of network locations" may contain multiple network locations for multiple songs on a network. Pet. 17, 53-54. Patent Owner argues Petitioners' proposed construction is too broad. According to Patent Owner, because the term "the streaming media" refers to a single file or song, and because "network locations" refer to a plurality of network locations, each of the listed network locations must provide a portion of the same single, broken-up media file. Prelim. Resp. 6-7.

The foundation of Patent Owner's argument is that the term "the streaming media" in claim 19 refers to a single file or song. The term "streaming media" is not defined explicitly in the '390 patent. In the context of claims 16, 19, and 20, the term is introduced first in independent claim 16, which recites: "(1) to present an icon on the display, the icon associated with content that *is deliverable as streaming media*." Use of the term "deliverable as" indicates that "streaming media" refers to the method of content delivery, and not to a single file or song, as asserted by Patent Owner. This is consistent with the general definition of "streaming," which is "relating to or being the transfer of data (as audio or video material) in a continuous stream especially for immediate processing or playback." (*Streaming Definition*, MERRIAM-WEBSTER.com, http://www.merriam-webster.com/dictionary/streaming); *see also (Streaming Media Definition*, http://www.techopedia.com/definition/14586/streaming-media) (noting that "streaming media" refers to a method of delivering multimedia elements).

It is, instead, the term "content" in claim 16 that indicates what information is delivered "as streaming media." In the '390 specification, the term "content," and the related terms "desirable audio information" and "selected audio information," are not limited to a single file or song. Ex. 1001, 1:17-19, 2:48-65, 6:20-33, 7:21-30, 8:64-9:5, 14:36-58. In addition, to the extent that "the streaming media" in claim 19 was intended to identify more than the method of content delivery, use of the word "the" in "the streaming media" presumptively carries the meaning of "one or more," and Patent Owner directs us to no portion of the '390 patent specification or prosecution history expressing a clear intent to limit the scope of "the streaming media" in claim 19, or "content" in claim 16, to a single file or

song. See Free Motion Fitness, Inc. v. Cybex Int'l, Inc., 423 F.3d 1343, 1350-1351 (Fed. Cir. 2005) (noting that the terms "a," "an," and "the" are presumed to mean "one or more" when used in conjunction with the antecedent "comprising"); Prelim. Resp. 6-7. Therefore, we are not persuaded that "the streaming media" in claim 19 is limited to a single file or song or that each network location must contain a portion of the same, broken-up media file.

Petitioners also propose that "network locations" be construed as "sources, addresses, or links." Pet. 17 (citing Ex. 1001, 3:42-51, 10:3-5, 14:48-58). Upon review of Petitioners' argument and the '390 specification, however, we are not persuaded that the term "network locations" is defined expressly as "sources, addresses, or links," nor is it evident why this term requires further clarification at this time. *See* Ex. 1001, 3:44-54, 14:48-58.

In light of the foregoing, we conclude that the broadest reasonable construction of the term "a listing of network locations at which to access the streaming media" is "a listing of network locations at which content that is to be delivered as streaming media may be accessed."

B. Obviousness of Claims 16, 19, and 20 over Galensky and Bork

Petitioners assert that claims 16, 19, and 20 are unpatentable under 35 U.S.C. § 103 over Galensky and Bork. In support of their argument, Petitioners provide detailed claims charts and rely on the supporting declaration testimony of Dr. Schuyler Quackenbush (Ex. 1015).

1. Galensky

Galensky is directed to a "system, method and portable, wireless device for receiving, playing and storing streamed multimedia files over a wireless telecommunications network." Ex. 1003, 3:13-17. The portable

device of Galensky includes a display, a rechargeable battery, a wireless transmitter, and a microprocessor. *Id.* at 4:1-33. The wireless device also contains various input controls for operating the device and for selecting multimedia files to be streamed from the multimedia server. *Id.* at 4:42-48.

In the Galensky system, the media server "either stores multimedia files or a list of particular multimedia files and their respective address/location." *Id.* at 5:7-9. When a wireless device connects to the media server, the system transmits a list of these available files and songs to the user. *Id.* at 5:18-24. The user then may view this list on the visual display of the wireless device and, using the input controls, select desired songs or videos for streaming. *Id.* at 5:18-42.

Galensky discloses initially streaming the desired content to a user at a high transmission rate. *Id.* at 5:66-6:27. Then, once a sufficient buffer has been established in the memory of the wireless device, the wireless device signals that a second, lower rate may be used. *Id.*

2. Bork

Bork is directed to a universal serial bus ("USB") interface and cable. Ex. 1004, Abstract. The USB cable has multiple conductive elements, allowing an electronic device to simultaneously communicate with, and recharge the battery of, a portable device. *Id.* at 5:12-14, 5:41-43, 6:66-7:12, 8:18-28. According to Bork, this single cable system has numerous advantages. *Id.* at 2:54-63. First, a bulky electrical power transformer is not required for the portable device. *Id.* at 2:54-63, 5:5-15, Figs. 21, 22. Second, a user can synchronize data with a computer and download software updates for the portable device at the same time the battery of the portable device is being recharged. *Id.* at 4:17-24, 4:47-55, Fig. 22. Finally, a laptop

computer running solely on battery power can recharge the battery of another portable device, which, according to Bork, is useful when another source of power is unavailable. *Id.* at 8:18-28.

3. Analysis

Petitioners contend that Galensky and Bork disclose all the limitations of claims 16, 19, and 20. For example, with respect to claim 16, Petitioners assert that Galensky discloses a portable device with a display, a rechargeable battery, a wireless transmitter, and a microprocessor. Pet. 19; Ex. 1003, 2:8-12, 4:1-41. Petitioners further assert that Galensky discloses a portable device having stored instructions operable to cause the processor: (1) to present an icon on a display that is associated with content that is deliverable as streaming media; (2) to recognize the selection of such an icon; and (3) to switch between a first, higher communications rate and a second, lower rate. Pet. 19-20. Petitioners also assert that Bork discloses a physical interface that permits an electronic device to both communicate with, and recharge the battery of, a portable device using a single cable having multiple conductive elements. Pet. 20-21, 26-29; Ex. 1004, 5:12-14, 6:66-7:12, 8:18-28.

With respect to claim 19, Petitioners assert that Galensky discloses obtaining in the portable device a listing of network locations where selected content may be accessed, and causing a first of these network locations to be accessed to facilitate the streaming delivery of the selected content. Pet. 19, 34; Ex. 1003, 5:3-9, 5:18-42; Ex. 1015 ¶¶ 59-61. With respect to claim 20, Petitioners assert that Galensky discloses streaming both audio and video files. Pet. 33-34; Ex. 1003, 1:7-11, 4:42-48, 5:3-9, 5:18-24, 5:31-45.

Petitioners, supported by the declaration testimony of Dr.

Quackenbush, assert that one of ordinary skill in the art would have found it obvious to "incorporate Bork's teachings of the advantageous use of a single, multiple-conductor cable (a USB cable) to provide both recharging and data communication capability between a PC and a portable device, in implementing Galensky's portable device." Pet. 21-22; Ex. 1015 ¶¶ 42-52. According to Petitioners, such a combination would simply bring together two known elements, "e.g., Bork's USB for recharging the battery and Galensky's portable device with data connectivity and switching communications rates," with each performing the same function as it does separately, to yield predictable results. Pet. 24; Ex. 1015 ¶¶ 48-51; *see also KSR Int'l Co. v. Teleflex, Inc.*, 550 U.S. 398, 417 (2007) (noting that "when a patent simply arranges old elements with each performing the same function it had been known to perform and yields no more than one would expect from such an arrangement," the combination is likely obvious (internal quotations and citations omitted)).

In the Preliminary Response, Patent Owner asserts that one of ordinary skill in the art would not have combined Galensky and Bork because "Galensky makes no mention of the disclosed device receiving data over a cable" and "one would not need a cable that could both charge the battery and transfer data for the device disclosed in Galensky." Prelim. Resp. 11-12. Although Galensky is silent with respect to how the wireless device is recharged and updated, at this stage of the proceeding we find persuasive Dr. Quackenbush's testimony that one of ordinary skill in the art would have found it both advantageous and obvious to incorporate Bork's well-known USB interface into the wireless device of Galensky to allow for synchronizing, updating, and recharging of the wireless device using a single

cable. Ex. 1015 ¶¶ 42-52; Ex. 1011, 17 (indicating that as early as September 23, 1998, the technical specifications of the USB interface and cable were publically available).

Patent Owner also argues that Galensky does not disclose that the portable device initiates the switch between a higher and a lower communications rate. Prelim. Resp. 16-17. At this stage of the proceeding, we do not find this argument persuasive, as Galensky explicitly discloses that the microprocessor of the portable device initiates the switch between a higher and a lower transmission rate:

Once an acceptable buffer is created (e.g., approximately 5-10 seconds of buffer), the microprocessor 82 will instruct the transceiver 94 to signal the wireless network 40 to decrease the data transmission rate to the minimum rate necessary for adequate transmission

Ex. 1003, 6:10-15; *see also* Ex. 1003, 4:1-8 (noting that transceiver 94 is part of the wireless device and is connected to microprocessor 82), 4:33-35 (noting that microprocessor 82 is part of the portable device).

Patent Owner further argues that Galensky only discloses transmitting to the portable device a list of available multimedia files, and not "a listing of network locations" where these files may be found. Prelim. Resp. 24-25. On this record, however, we conclude that Petitioners have presented sufficient evidence to show that Galensky's multimedia servers maintain a "list of particular multimedia files and their respective address/location" on the network and that the user is provided with the address/location of selected files. Pet. 33; Ex. 1003, 4:58-60 (noting that the portable device of Galensky maintains a "list of previous files (e.g., songs) and/*or links that were previously accessed*") (emphasis added), 5:3-9, 5:18-24.

With respect to claim 19, Patent Owner argues that Galensky and Bork fail to disclose "multiple locations (plural) for a single selectable media." Prelim. Resp. 24-25. We are not persuaded by this argument, because it is based on Patent Owner's proposed claim construction that we did not adopt.

Upon review of Petitioners' and Patent Owner's arguments, we conclude that Petitioners have set forth sufficient articulated reasoning with rational underpinning to support the proposed combination of references. *See KSR*, 550 U.S. at 418. We, therefore, are persuaded that the information presented shows a reasonable likelihood that Petitioners would prevail in showing claims 16, 19, and 20 are unpatentable under 35 U.S.C. § 103 as obvious over Galensky and Bork.

C. Obviousness of Claim 19 Over Galensky, Bork, and Carmel

Petitioners contend that claim 19 also would have been obvious under 35 U.S.C. § 103 over Galensky, Bork, and Carmel. Petitioners rely upon this ground of unpatentability to address Patent Owner's proposed construction of "a listing of network locations at which to access the streaming media." Pet. 53-55. As we have declined to adopt Patent Owner's proposed construction, Petitioners' ground relying on Galensky, Bork, and Carmel is redundant to the ground of unpatentability on which we initiate *inter partes* review. Therefore, we do not authorize an *inter partes* review on this ground.

D. Obviousness of Claims 16, 19, and 20 Over Boys, Aaron, and Ravi and Claim 19 over Boys, Aaron, Ravi, and Carmel

Petitioners assert that claims 16, 19, and 20 are also unpatentable under 35 U.S.C. § 103 as obvious over Boys, Aaron, and Ravi, and that claim 19 is unpatentable under 35 U.S.C. § 103 as obvious over Boys,

Aaron, Ravi, and Carmel. Pet. 35, 53. Petitioners do not explain, however, why this set of references is stronger with respect to certain claims than Galensky and Bork. Therefore, we exercise our discretion not to go forward with all of the grounds proffered by Petitioners, and do not authorize an *inter partes* review on these grounds. *See* C.F.R. § 42.108(a).

III. CONCLUSION

For the foregoing reasons, we conclude that the information presented in the Petition and Preliminary Response establishes that there is a reasonable likelihood that Petitioners would prevail in showing the unpatentability of claims 16, 19, and 20 of the '390 patent.

At this stage of the proceeding, the Board has not made a final determination as to the patentability of any challenged claim.

IV. ORDER

In consideration of the foregoing, it is hereby:

ORDERED that pursuant to 35 U.S.C. § 314, an *inter partes* review is instituted as to claims 16, 19, and 20 of the '390 patent on the following ground: claims 16, 19, and 20 as unpatentable under 35 U.S.C. § 103 as obvious over Galensky and Bork;

FURTHER ORDERED that pursuant to 35 U.S.C. § 314(a), *inter partes* review of the '390 patent is hereby instituted commencing on the entry date of this Order, and pursuant to 35 U.S.C. § 314(c) and 37 C.F.R. § 42.4, notice is hereby given of the institution of a trial; and

FURTHER ORDERED that the trial is limited to the grounds identified above and no other grounds are authorized.

For PETITIONERS:

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Samsung Ex. 1211 p. 15

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Before KEVIN F. TURNER, LYNNE E. PETTIGREW, and JON B. TORNQUIST, *Administrative Patent Judges*.

TORNQUIST, Administrative Patent Judge.

DECISION Institution of *Inter Partes* Review 37 C.F.R. § 42.108

Samsung Ex. 1211 p. 16

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I. INTRODUCTION

On December 2, 2013, Samsung Electronics Co., Ltd., Samsung Electronics America, Inc., Samsung Telecommunications America, LLC, LG Electronics, Inc., LG Electronics U.S.A., Inc., LG Electronics Mobilecomm USA, Inc., HTC Corp., and HTC America, Inc. ("Petitioners") filed a Petition for *inter partes* review of claims 16, 19, and 20 of U.S. Patent 7,953,390 B2 ("the '390 patent"). Paper 1. On December 12, 2013, Petitioners filed a corrected Petition. Paper 10 ("Pet."). The owner of the '390 patent, Affinity Labs of Texas, LLC ("Patent Owner"), filed a Preliminary Response to the Petition on March 11, 2014. Paper 16 ("Prelim. Resp."). We have jurisdiction under 35 U.S.C. § 314.

The standard for instituting an *inter partes* review is set forth in 35 U.S.C. § 314(a), which provides:

THRESHOLD – The Director may not authorize an inter partes review to be instituted unless the Director determines that the information presented in the petition filed under section 311 and any response filed under section 313 shows that there is a reasonable likelihood that the petitioner would prevail with respect to at least 1 of the claims challenged in the petition.

Upon consideration of the Petition and the Preliminary Response, we determine that there is a reasonable likelihood that Petitioners would prevail with respect to claims 16, 19, and 20 of the '390 patent. Accordingly, pursuant to 35 U.S.C. § 314, we authorize an *inter partes* review to be instituted as to those claims.

A. Related Proceedings

The '390 patent is being asserted in Affinity Labs of Texas, LLC v. Samsung Electronics Co., Ltd., 1:12-cv-557 (E.D. Tex.). Paper 15. The

'390 patent is also the subject of pending *inter partes* review petition IPR2014-00209. *Id.*

B. Prior Art Relied Upon

Petitioners rely on the following prior art references:

Hitson	2002/0010759 A1	Jan. 24, 2002	Ex. 1103
Bork	6,633,932 B1	Oct. 14, 2003	Ex. 1105
Fuller	6,711,622 B1	Mar. 23, 2004	Ex. 1106
Lee	6,728,531 B1	Apr. 27, 2004	Ex. 1107
Ravi	6,292,834 B1	Sept. 18, 2001	Ex. 1109
Carmel	6,389,473 B1	May 14, 2002	Ex. 1110
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C. The Asserted Grounds

Petitioners assert the following grounds of unpatentability (Pet. 8-9):

References	Basis	Claims
Hitson and Fuller	§103	16, 19, and 20
Hitson, Bork, Fuller	§103	16, 19, and 20
Lee, Bork, and Ravi	§103	16, 19, and 20
Hitson, Fuller, and Carmel	§103	19
Hitson, Bork, Fuller, and Carmel	§103	19
Lee, Bork, Ravi, and Carmel	§103	19

D. The '390 Patent

The '390 patent is directed to a delivery system for digitally stored content. Ex. 1101, 1:17-19. In particular, the '390 patent relates to the wireless delivery of media content, such as songs, video, on-line radio stations, on-line broadcasts, and text. *Id.* at 2:55-59, 3:10-15, 3:37-39,

14:41-44.

Many different wireless devices may be used to select and receive media content in the system and method of the '390 patent, including "a network radio, a modular device, an audio system, a personal digital assistant (PDA), a cellular phone, or other electronic devices operable to receive information wirelessly." *Id.* at 4:29-32. In at least one embodiment, the wireless device contains a physical interface that allows a different electronic device to communicate with, and to recharge the battery of, the wireless device using a single cable having multiple conductive elements. *See id.* at 17:18-62, 20:9-20.

In one embodiment of the '390 patent, a user selects desired audio information from a webpage. *Id.* at 14:34-44. This audio information may include "a single song, a plurality [of] different songs," or "an entire album." *Id.* at 14:42-44. After the user finishes selecting the desired songs, the system creates both a playlist and a listing of "network or URL locations" where the songs on the playlist may be found. *Id.* at 14:44-53. The songs on the playlist then are retrieved from one or more of the listed network locations and streamed to the user. *Id.* at 5:58-6:10, 14:50-61, 15:46-51.

The selected songs may be streamed to a user over a high-speed wireless communications network. *Id.* at 5:64-6:7. In this embodiment, selected content is delivered initially to the wireless device at a high transmission rate. *Id.* Once a sufficient buffer has been established in the memory of the wireless device, the rest of the selected content then is transmitted at a second, slower rate. *Id.*

E. Illustrative Claims

Of the challenged claims, only claim 16 is independent. Claim 16 and

dependent claim 19 are illustrative of the claims at issue and are reproduced below:

16. A system for content delivery, comprising:

- a portable device having a display, a local rechargeable battery, a wireless communication system, and a processor;
- a physical interface of the portable device, the physical interface configured to connect to an interface system that includes a cable having multiple conductive elements, wherein the physical interface is designed such that a different electronic device can be communicatively coupled with the physical interface of the portable device using the interface system in a manner that allows the different electronic device to recharge the local rechargeable battery using at least one of the multiple conductive elements and to communicate with the portable device using at least one other of the multiple conductive elements; and
- a computer-readable medium having stored instructions that when executed are operable to cause the processor: (1) to present an icon on the display, the icon associated with content that is deliverable as streaming media; (2) to recognize a selection of the icon; and (3) to switch between a set of communication rates at which the portable device receives a first portion and a second portion of the content, wherein the set of communication rates comprise at least a first data rate and a second data rate that is slower than the first data rate.

19. The system of claim 16, wherein the stored instructions are further operable to cause the processor: (1) to obtain a listing of network locations at which to access the streaming media; and (2) to cause a first of the network locations to be accessed to facilitate a streaming delivery of the streaming media.

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II. ANALYSIS

A. Claim Construction

In an *inter partes* review, "[a] claim in an unexpired patent shall be given its broadest reasonable construction in light of the specification of the patent in which it appears." 37 C.F.R. § 42.100(b); *see also* Office Patent Trial Practice Guide, 77 Fed. Reg. 48,756, 48,766 (Aug. 14, 2012). In determining the broadest reasonable construction, a claim term is presumed to carry its ordinary and customary meaning. *See In re Translogic Tech., Inc.*, 504 F.3d 1249, 1257 (Fed. Cir. 2007). This presumption may be rebutted when a patentee, acting as a lexicographer, sets forth an alternate definition of a term in the specification with reasonable clarity, deliberateness, and precision. *In re Paulsen*, 30 F.3d 1475, 1480 (Fed. Cir. 1994).

Petitioners provide proposed constructions for multiple claim terms. Pet. 14-17. Patent Owner disputes one of these constructions and submits its own proposed construction. Prelim. Resp. 6-8. For this decision, we construe only the one claim term we deem necessary for institution.

A listing of network locations at which to access the streaming media

Petitioners' Proposal	Patent Owner's Proposal
A list of sources, addresses or links	A list of network addresses
for streaming media that is available	corresponding to portions of an
on a network. Pet. 16-17.	available media. Prelim. Resp. 6-8.

Petitioners assert that the "listing of network locations" may contain multiple network locations for multiple files or songs on a network. Pet. 16-17, 53-54. Patent Owner argues Petitioners' proposed construction is too broad. According to Patent Owner, because the term "the streaming media"

refers to a single file or song, and because "network locations" refer to a plurality of network locations, each of the listed network locations must provide a portion of the same single, broken-up media file. Prelim. Resp. 6-8.

The foundation of Patent Owner's argument is that the term "the streaming media" refers to a single file or song. The term "streaming media" is not defined explicitly in the '390 patent. In the context of claims 16, 19, and 20, the term is introduced first in independent claim 16, which recites: "(1) to present an icon on the display, the icon associated with content that *is deliverable as streaming media*." Use of the term "deliverable as" indicates that "streaming media" refers to the method of content delivery, and not to a single file or song, as asserted by Patent Owner. This is consistent with the general definition of "streaming," which is "relating to or being the transfer of data (as audio or video material) in a continuous stream especially for immediate processing or playback" (*Streaming Definition*, MERRIAM-WEBSTER.com, http://www.merriam-webster.com/dictionary/streaming); *see also* (*Streaming Media Definition*, http://www.techopedia.com/definition/14586/streaming-media) (noting that "streaming media" refers to a method of delivering multimedia elements).

It is, instead, the term "content" in claim 16 that indicates what information is delivered "as streaming media." In the '390 specification, the term "content," and the related terms "desirable audio information" and "selected audio information," are not limited to a single file or song. Ex. 1101, 1:17-19, 2:48-65, 6:20-33, 7:21-30, 8:64-9:5, 14:36-58. In addition, to the extent that "the streaming media" in claim 19 was intended to identify more than the method of content delivery, use of the word "the" in "the

streaming media" presumptively carries the meaning of "one or more," and Patent Owner directs us to no portion of the '390 patent specification or prosecution history expressing a clear intent to limit the scope of "the streaming media" in claim 19, or "content" in claim 16, to a single file or song. *See Free Motion Fitness, Inc. v. Cybex Int'l, Inc.*, 423 F.3d 1343, 1350-1351 (Fed. Cir. 2005) (noting that the terms "a," "an," and "the" are presumed to mean "one or more" when used in conjunction with the antecedent "comprising"); Prelim. Resp. 6-7. Therefore, we are not persuaded that "the streaming media" in claim 19 is limited to a single file of song or that each network location must contain a portion of the same, broken-up media file.

Petitioners also propose that "network locations" be construed as "sources, addresses, or links." Pet. 16-17 (citing Ex. 1101, 3:42-51, 10:3-5, 14:48-58). Upon review of Petitioners' argument and the '390 specification, however, we are not persuaded that the term "network locations" is defined expressly as "sources, addresses, or links," nor is it evident why this term requires construction at this time. *See* Ex. 1101, 3:44-54, 14:48-58.

In light of the foregoing, we conclude that the broadest reasonable construction of the term "a listing of network locations at which to access the streaming media" is "a listing of network locations at which content that is to be delivered as streaming media may be accessed."

B. Obviousness of Claims 16, 19, and 20 Over Hitson and Fuller and Hitson, Bork, and Fuller

Petitioners assert that claims 16, 19, and 20 are unpatentable under 35 U.S.C. § 103 over Hitson and Fuller, as well as Hitson, Bork, and Fuller. In support of their argument, Petitioners provide detailed claims charts and rely

on the supporting declaration testimony of Dr. Schuyler Quackenbush (Ex. 1118).

1. Hitson

Hitson relates to a system and method for delivering multimedia content to a computer, portable media player, or other electronic device. Ex. 1103, Abstract. In Hitson, the portable media player may connect to another device or a server through either a wireless or wired connection, including a Universal Serial Bus ("USB") cable connection. *Id.* ¶¶ 0005, 0006, 0039, 0050, 0085, Fig. 22. At least one of the portable media players disclosed in Hitson has a display, a rechargeable battery, a processor, and memory. *Id.* ¶ 0005; Pet. 19; Ex. 1118 ¶¶ 37-38.

In the Hitson system, multimedia content is stored in one or more media databases, which are accessible through one or more web servers. Ex. 1103 ¶ 0131. Using a web browser, a user may view a list of this available content, select desired songs or video, and request that the selected songs and video be streamed to the portable media player. *Id.* ¶¶ 0076, 0112-0113, 0131, 0133. The transmission rate for the streaming content is determined "through software, hardware, or by asking a user." *Id.* ¶ 0070. For example, the user may inform the system that a "narrowband" or "broadband" connection is available. *Id.* at Fig. 3.

2. Bork

Bork is directed to a universal serial bus ("USB") interface and cable. Ex. 1105, Abstract. The USB cable has multiple conductive elements, allowing an electronic device simultaneously to communicate with, and recharge the battery of, a portable device. *Id.* at 5:12-14, 5:41-43, 6:66-7:12, 8:18-28. According to Bork, this single cable system has numerous

advantages. *Id.* at 2:54-63. First, a bulky electrical power transformer is not required for the portable device. *Id.* at 2:54-63, 5:5-15, Figs. 21, 22. Second, a user can synchronize data with a computer and download software updates for the portable device at the same time the battery of the portable device is being recharged. *Id.* at 4:17-24, 4:47-55, Fig. 22. Finally, a laptop computer running solely on battery power can recharge the battery of another portable device, which, according to Bork, is useful when another source of power is unavailable. *Id.* at 8:18-28.

3. Fuller

Fuller is directed to a system and method for providing streaming audio and video to users. Ex. 1106, Abstract. In Fuller, a web browser is used to review and select available content on a network. *See id.* at 4:46-49, 8:30-36, Figs. 1-3. This available content may include links for, among other things, an audio jukebox or a live radio broadcast. *Id.* at Fig. 3. After a user selects desired content, the selected items then are streamed to the user. *Id.* at 2:57-59, 8:30-36.

In Fuller, the server transmits a Java applet to the client device. *Id.* at 8:37-41. This Java applet serves both to decode the streaming audio data and to monitor the rate at which the client receives and processes information from the server. *Id.* at 8:37-41, 10:11-17. If the Java applet determines that the client is not receiving the audio or video data at a sufficient rate, the applet can instruct the server to reduce the rate of transmission to "more appropriately match the bandwidth availability of the client." *Id.* at 10:11-17.

4. Analysis

Petitioners contend that Hitson, Bork, and Fuller disclose all the limitations of claims 16, 19, and 20. In particular, Petitioners assert that Hitson discloses a portable device with a display, a local rechargeable battery, a wireless communication system, and a processor. Pet. 18-20, 25-26; Ex. 1103 ¶¶ 0003, 0005, 0012, 0039, 0050, 0080; Ex. 1118 ¶¶ 37-39. Petitioners also assert that Hitson discloses allowing "users to view a list of content (e.g., a playlist) that is available to be streamed to the PMP, select the content, and request a continuous content stream." Pet. 19; Ex. 1103 ¶ 0076. Petitioners further assert that both Hitson and Bork disclose using a USB interface, and that Bork, in particular, discloses a USB interface that permits an electronic device to both communicate with, and recharge the battery of, a portable device using a single cable having multiple conductive elements. Pet. 19-21; Ex. 1103 ¶¶ 0006, 0050, Fig. 22; Ex. 1105, 5:12-14, 6:66-7:12, 8:18-28. Petitioners further assert that Fuller discloses switching the transmission rate of streaming media between an initial, higher rate and a second, lower rate. Pet. 21, 24-25, 35; Ex. 1106, 10:11-17; Ex. 1118 ¶ 61-62.

With respect to the rationale for combining these references, Petitioners argue that one of ordinary skill in the art would have been motivated to implement Bork's USB interface and cable in the system of Hitson in light of the numerous benefits disclosed for these elements in Bork, including the ability to synchronize and recharge a portable device using a single cable. Pet. 22-23; Ex. 1105, 2:54-63; Ex. 1118 ¶¶ 43-50. Petitioners further assert that one of ordinary skill in the art would have been motivated to modify Hitson to implement Fuller's method of monitoring and

adjusting transmission rates, in order to ensure the "efficient and uninterrupted delivery of streaming content." Pet. 24; Ex. 1118 ¶¶ 61-62. According to Petitioners, the combination of Hitson, Bork, and Fuller would merely bring together known elements, each performing the same function as it does separately, to yield a predictable result. Pet. 23-25; Ex. 1118 ¶¶ 48-50, 61-62.

Patent Owner makes three primary arguments against the combination of Hitson, Bork, and Fuller. First, Patent Owner argues that one of ordinary skill in the art would not have combined Hitson with Bork or Fuller because Hitson does not contain a "detailed technical disclosure of the actual hardware" used to perform the claimed method, and is simply focused on "providing an economic incentive to multimedia producers to provide high quality, digital content." Prelim. Resp. 11-12. Patent Owner does not explain sufficiently, however, what specific technical disclosure is lacking in Hitson or why one of ordinary skill in the art could not implement Hitson's method without this information. Patent Owner also does not explain. sufficiently why Hitson's stated goal of providing economic incentive to multimedia producers would discourage one of skill in the art from combining Hitson with Bork and Fuller. See KSR Int'l Co. v. Teleflex Inc., 550 U.S. 398, 420 (2007) (rejecting the argument that one of ordinary skill would be led only to elements of the prior art designed to solve the same problem); In re Gurley, 27 F.3d 551, 553 (Fed. Cir. 1994) (noting that "[a] reference may be said to teach away when a person of ordinary skill in the art, upon reading the reference, would be discouraged from following the path set out in the reference"). Therefore, at this stage of the proceeding, we are not persuaded by Patent Owner's arguments.

Second, Patent Owner argues that one of ordinary skill in the art would not incorporate Bork's USB interface into the Hitson system because "[i]t is nonsensical and impractical for a portable device to use its own battery power to recharge the battery of another device." Prelim. Resp. 13. At this stage of the proceeding, we do not find this argument persuasive because Bork explicitly teaches using a portable device to recharge the battery of another portable device, and provides a reasonable rationale for why one would seek to use such a configuration. See Ex. 1105, 8:18-28 (disclosing that it is advantageous to use a portable computer to recharge the battery of a portable device when travelling). Patent Owner also asserts that the two servers described in Hitson would not need a USB interface "as neither server likely has a battery." Prelim. Resp. 13. Hitson, however, is not limited to connecting two servers. Ex. 1103 ¶¶ 0038-0039, Fig. 23. For example, Hitson discloses that the portable media device may act as a client, exchanging files with a server through a wired or wireless connection. Id. ¶¶ 0039, 0050. Therefore, on this record, we are not persuaded by Patent Owner's argument.

Finally, Patent Owner argues that one of skill in the art would not modify Hitson to incorporate Fuller's method of controlling data transmission rates because "Hitson already provided a solution to the problem of data transmission bandwidth." Prelim. Resp. 13. At this stage of the proceeding, we are not persuaded by Patent Owner's argument because Patent Owner has not explained sufficiently why Hitson's general disclosure of selecting a data transmission rate through "software, hardware, or by asking a user" would indicate to one of ordinary skill in the art that there are

no potential bandwidth or resource allocation issues in the Hitson system. See Ex. 1103 \P 0070.

In addition to arguing that one of ordinary skill in the art would not combine the references, Patent Owner also argues that Hitson, Bork, and Fuller do not disclose or suggest all of the limitations of claims 16, 19, and 20. With respect to claim 16, Patent Owner argues that Fuller does not teach or suggest that the portable device varies the communications rate between the server and the portable device. According to Patent Owner, in Fuller it is the web server, through the download of the Java applet, which controls the communications rate of the system, and not the portable device. Prelim. Resp. 26-27. On this record, we are not persuaded by this argument because, regardless of where the Java applet originates from in Fuller, it is the microprocessor of the portable device that executes and controls the Java applet code. Ex. 1106, 8:37-42, 8:55-56 (noting that the client executes the Java applets).

Patent Owner also argues that Hitson, Fuller, and Bork do not teach the limitations of claim 19 because the references only disclose obtaining a listing of network locations for several different media to be streamed, and not a "listing of network locations" for the same single, broken-up file or song. Prelim. Resp. at 28-33. We do not find this argument persuasive because it is premised on Patent Owner's proposed claim construction that we did not adopt.

Upon review of Hitson, Bork, and Fuller, as well as Petitioners' and Patent Owner's arguments, we are persuaded that Petitioners have set forth sufficient articulated reasoning with rational underpinning to support the proposed combination of references. *See KSR*, 550 U.S. at 418. We,

therefore, conclude that Petitioners have demonstrated a reasonable likelihood that claims 16, 19, and 20 would have been obvious over Hitson, Bork, and Fuller. In view of our decision to institute *inter partes* review on this ground, we deny as redundant the Hitson and Fuller ground asserted by Petitioners.

C. Obviousness of Claim 19 Over Hitson, Fuller, and Carmel and Hitson, Bork, Fuller, and Carmel

Petitioners contend that claim 19 also would have been obvious under 35 U.S.C. § 103 over Hitson, Fuller, and Carmel, as well as Hitson, Fuller, Bork, and Carmel. Petitioners rely upon these grounds of unpatentability to address Patent Owner's proposed construction requiring multiple network locations for a single, broken-up file or song. Pet. 54. As we have declined to adopt Patent Owner's proposed construction, Petitioners' grounds relying on Hitson, Fuller, and Carmel and Hitson, Bork, Fuller, and Carmel are redundant to the ground of unpatentability on which we initiate *inter partes* review. Therefore, we do not authorize an *inter partes* review on these grounds.

D. Obviousness of Claims 16, 19, and 20 Over Lee, Bork, and Ravi and Claim 19 Over Lee, Bork, Ravi, and Carmel

Petitioners assert that claims 16, 19, and 20 are unpatentable under 35 U.S.C. § 103 as obvious over Lee, Bork, and Ravi, and that claim 19 is unpatentable under 35 U.S.C. § 103 as obvious over Lee, Bork, Ravi, and Carmel. Pet. 8-9. Petitioners do not explain, however, why either set of references is stronger with respect to certain claims than the Hitson-based grounds discussed above. Therefore, we exercise our discretion not to go forward with all of the grounds proffered by Petitioners, and do not

authorize an *inter partes* review on these grounds. *See* 37 C.F.R. § 42.108(a).

III. CONCLUSION

For the foregoing reasons, we determine that the information presented in the Petition and Preliminary Response establishes that there is a reasonable likelihood that Petitioners would prevail in showing the unpatentability of claims 16, 19, and 20 of the '390 patent.

At this stage of the proceeding, the Board has not made a final determination as to the patentability of any challenged claim.

IV. ORDER

In consideration of the foregoing, it is hereby:

ORDERED that pursuant to 35 U.S.C. § 314, an *inter partes* review is instituted as to claims 16, 19, and 20 of the '390 patent on the following ground: claims 16, 19, and 20 as unpatentable under 35 U.S.C. § 103 as obvious over Hitson, Bork, and Fuller.

FURTHER ORDERED that pursuant to 35 U.S.C. § 314(a), *inter partes* review of the '390 patent is hereby instituted commencing on the entry date of this Order, and pursuant to 35 U.S.C. § 314(c) and 37 C.F.R. § 42.4, notice is hereby given of the institution of a trial; and

FURTHER ORDERED that the trial is limited to the grounds identified above and no other grounds are authorized.

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	Application Number		12495190	
	Filing Date		2009-06-30	
INFORMATION DISCLOSURE	First Named Inventor Russe		ussell W. White, et al.	
(Not for submission under 37 CFR 1.99)	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
	Attorney Docket Numb	er	AFF.004C7US	

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INFORMATION DISCLOSURE Application Number 12495190 Filing Date 2009-06-30 First Named Inventor Russell W. White, et al. Art Unit 2617 Examiner Name Erika A. Gary Attorney Docket Number AFF.004C7US

	1 U.S. Patent and Trademark Office, Reexamination Control No. 90/010,333, "Decision Granting Petition" (on the 95/001,264 third party requester (Apple, Inc.)) mailed on April 18, 2011, 6 pages.						
	2 U.S. Patent and Trademark Office, Reexamination Control No. 90/010,333, "Decision Granting-In-Part Petition And Expunging Improper Paper" (on the 95/001,223 third party requester Volkswagen Group of America, Inc.)) mailed on April 18, 2011, 10 pages.						
	3 U.S. Patent and Trademark Office, Reexamination Control No. 95/001,281, "Decision Dismissing Petition" mailed on May 5, 2011, 2 pages.						
	4 Volkswagen Group of America, Inc., Reexamination Control No. 95/001,223 (merged with 90/010,333 and 95/001,264), "Petition Under 37 C.F.R. 1.181 For Reconsideration," filed on May 3, 2011, 23 pages.						
	5Volkswagen Group of America, Inc., Reexamination Control No. 95/001,223 (merged with 90/010,333 and 95/001,264), "Transmittal of Replacement Comments of Requester, Volkwagen Group of America, Inc., Pursuant to 37 C.F.R. 1.947," filed on May 3, 2011, with Exhibits 1-9, and Declaration of Scott Andrews Under 37 C.F.R. 1.132, 271						
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Examiner	Examiner Signature Date Considered						
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Standard S ⁴ Kind of do	T.3). ³ I cument	⁻ or Japa by the a	O Patent Documents at <u>www.USPTO.GOV</u> or MPEP 901.04. ² Enter office that issued the docume nese patent documents, the indication of the year of the reign of the Emperor must precede the ser appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applie n is attached.	rial number of the patent doc	ument.		

	Application Number		12495190	
	Filing Date		2009-06-30	
INFORMATION DISCLOSURE	First Named Inventor Russe		sell W. White, et al.	
(Not for submission under 37 CFR 1.99)	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
	Attorney Docket Numb	er	AFF.004C7US	

	CERTIFICATION STATEMENT						
Plea	Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):						
	That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).						
OR							
	That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).						
	See attached cer	tification statement.					
\boxtimes	Fee set forth in 3	7 CFR 1.17 (p) has been submitted herewith					
	None	SIGNAT					
	ignature of the ap n of the signature.	plicant or representative is required in accord		3. Please see CFR 1.4(d) for the			
Sigr	nature	/Mark J. Rozman/	Date (YYYY-MM-DD)	2011-05-26			
Nam	ne/Print	Mark J. Rozman	Registration Number	42117			
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1 hour to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria,							

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- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspections or an issued patent.
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Electronic Patent Application Fee Transmittal							
Application Number:	12	495190					
Filing Date:	30	-Jun-2009					
Title of Invention:	METHOD FOR CONTENT DELIVERY						
First Named Inventor/Applicant Name:	Russell W. White						
Filer:	Ma	ark J. Rozman/Steph	anie Petreas				
Attorney Docket Number:	AF	F.0004C7US					
Filed as Large Entity							
Utility under 35 USC 111(a) Filing Fees							
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)		
Basic Filing:							
Pages:							
Claims:							
Miscellaneous-Filing:							
Petition:							
Patent-Appeals-and-Interference:							
Post-Allowance-and-Post-Issuance:							
Extension-of-Time:							

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
	Tot	180		

Electronic Acl	Electronic Acknowledgement Receipt						
EFS ID:	10178417						
Application Number:	12495190						
International Application Number:							
Confirmation Number:	2380						
Title of Invention:	METHOD FOR CONTENT DELIVERY						
First Named Inventor/Applicant Name:	Russell W. White						
Customer Number:	21906						
Filer:	Mark J. Rozman/Stephanie Petreas						
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Attorney Docket Number:	AFF.0004C7US						
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Information:					
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3	NPL Documents	DecisionGrantingInPartPetition	700214	no	9
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5	NPL Documents	DeclarationofAndrewsWithVW	9241268	no	114
		ReplacementComments.pdf	1f21bf7411d58621a341dca9905026c5a0ff 9b5c		
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6	NPL Documents	VWPetitionForReconsideration	2831242	no	38
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		VWReplacementCommentsMa	8828653		102
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Information:					
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		y3withExhibits2of2.pdf	7df1818abee410c77e578a60fc164625d2e9 d2b1		
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UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/495,190	05/31/2011	7953390	AFF.0004C7US	2380

21906 7590 05/11/2011 TROP, PRUNER & HU, P.C. 1616 S. VOSS ROAD, SUITE 750 HOUSTON, TX 77057-2631

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site http://pair.uspto.gov for additional applicants):

Russell W. White, Austin, TX; Kevin R. Imes, Austin, TX;

	Application Number		12015320	
	Filing Date		2008-01-16	
INFORMATION DISCLOSURE	First Named Inventor	Russ	ell White, et al.	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
	Attorney Docket Num	ber	AFF.004C5US	<u>-</u>

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	Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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12495190 - GAU: 2617

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08e (07-09) Approved for use through 07/31/2012. OMB 0651-0031 U.S. Patant and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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	Application Number		12015320
	Filing Date		2008-01-16
INFORMATION DISCLOSURE	First Named Inventor	Russel	Il White, et al.
(Not for submission under 37 CFR 1.99)	Art Unit		2617
	Examiner Name	Erika A	A. Gary
	Attorney Docket Numb	er	AFF.004C5US

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12495190 - GAU: 2617

	Application Number		12015320	
	Filing Date		2008-01-16	
INFORMATION DISCLOSURE	First Named Inventor	Russe	ell White, et al.	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
	Attorney Docket Num	ber	AFF.004C5US	

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INFORMATION DISCLOSURE	Application Number	12015320
	Filing Date	2008-01-16
	First Named Inventor	Russell White, et al.
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit	2617
(Not for submission under 57 CFR 1.55)	Examiner Name	Erika A. Gary
	Attorney Docket Num	nber AFF.004C5US

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Receipt date: 01/18/2011

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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Approved for use through 07/31/2012. OMB 065-10031 Mation Disclosure Statement (IDS) Filed U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number		12495190	
	Filing Date		2009-06-30	
	First Named Inventor Russ		ssell W. White, et al.	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
	Attorney Docket Numb	er	AFF.004C7US	

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		(Uso as many shoots as necessary)		Examine	e Nema	2686	Sutienez, R.
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Receipt date: 08/20/2009

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	Application Number			
	Filing Date			
INFORMATION DISCLOSURE	First Named Inventor Russ		sell W. White	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit			
	Examiner Name	Unkno	nwa	
	Attorney Docket Numb	er	1111111.1111-5C	

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	Application Number		12015320	
	Filing Date		2008-01-16	
INFORMATION DISCLOSURE	First Named Inventor Russ		issell W. White	
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12495190 - GAU: 2617

	Application Number		12015320	
	Filing Date		2008-01-16	
INFORMATION DISCLOSURE	First Named Inventor Russe		ssell W. White, et al.	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
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	Application Number		12015320	
INFORMATION DISCLOSURE	Filing Date		2008-01-16	
	First Named Inventor Russe		ssell W. White, et al.	
STATEMENT BY APPLICANT	Art Unit	•	2617	
(Not for submission under 37 CFR 1.99)	Examiner Name Erika A. Gary		A. Gary	
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INFORMATION DISCLOSURE	Application Number		
	Filing Date		
	First Named Inventor	Russ	ell W. White
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		
	Examiner Name	Unknown	
	Attorney Docket Numb	er	1111111.1111-5C

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	Examiner Initial*			Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
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Application Number	Application/Control No.		Applicant(s)/Patent under Reexamination WHITE ET AL.	
Document Code - DISQ		Internal D	ocument – DC	NOT MAIL

TERMINAL DISCLAIMER		
Date Filed : 1/18/11	This patent is subject to a Terminal Disclaimer	

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U.S. Patent and Trademark Office

Receipt date: 08/20/2009

12495190 - GAU: 2617

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	Application Number		12015320	
AUG 2 0 2009	Filing Date		2008-01-16	
INFORMATION DESCLOSURE	First Named Inventor Russell W. White, et al.		ell W. White, et al.	
STATE MENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2617	
	Examiner Name Erika		a A. Gary	
	Attorney Docket Numb	er	AFF.004C5US	

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INFORMATION DISCLOSURE	First Named Inventor	r Russell White, et al.		
(Not for submission under 37 CFR 1.99)	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
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Japanese patent documents, the indication of the year of the reign of the Emperor must precede the series number of the patent document. "Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible." Applicant is to place a check mark here if English language Transition is attached. This collection of information is required by ST CFR 1.97 and 1.98. The information is required to obtain or relain a benefit by the public which is to file (and by the USPTO to process) an application. Condentiating is governed by SS U.9.C. 122 and 37 CFR 1.14. This collaction is estimated to take 2 hours to complete including gathering, preparing, and administing the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for relating this public to PLO FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, cell 1-800-PTO-9199 (1-800-788-9199) and select option 2.

PAGE 5/6 * RCVD AT 5/3/2005 3:30:43 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/11 * DNIS:8729306 * CSID:512 327 5452 * DURATION (mm-ss):0146

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	Application Number			
	Filing Date			
INFORMATION DISCLOSURE	First Named Inventor Russell W. White			
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit			
	Examiner Name	Unknown		
	Attorney Docket Numb	er 1111111.1111-5C		

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	2	28	6601192	2003-07-29	Bowman-Amuah; Michel K.		
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· · ·	Application Number		12015320	
	Filing Date		2008-01-16	
INFORMATION DISCLOSURE	First Named Inventor Russe		issell W. White, et al.	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2617	
(NOTION SUDMISSION UNDER 57 OFK 1.99)	Examiner Name	Erika	A. Gary	
	Attorney Docket Number		AFF.004C5US	

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12495190 - GAU: 2617

	Application Number		12015320
	Filing Date		2008-01-16
INFORMATION DISCLOSURE	First Named Inventor Russe		ell W. White, et al.
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit		2617
	Examiner Name	Erika	A. Gary
	Attorney Docket Numb	er	AFF.004C5US

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SERIAL NUME 12/495,190		FILING OR 371(c) DATE 06/30/2009 RULE	(CLASS 455	GRO				ATTORNEY OCKET NO. FF.0004C7US
APPLICANTS Russell W Kevin R. Ir		e, Austin, TX; Austin, TX;							
 ** CONTINUING DATA **********************************									
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/495,190	06/30/2009	Russell W. White	AFF.0004C7US	2380
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			2617	
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			03/10/2011	PAPER

NOTICE OF NON-COMPLIANT INFORMATION DISCLOSURE STATEMENT

An Information Disclosure Statement (IDS) filed 33111 in the above-identified application fails to meet the requirements of 37 CFR 1.97(d) for the reason(s) specified below. Accordingly, the IDS will be placed in the file, but the information referred to therein has not been considered.

The IDS is not compliant with 37 CFR 1.97(d) because:

- A The IDS lacks a statement as specified in 37 CFR 1.97(e).
- □ The IDS lacks the fee set forth in 37 CFR 1.17(p).
- The IDS was filed after the issue fee was paid. Applicant may wish to consider filing a petition to withdraw the application from issue under 37 CFR 1.313(c) to have the IDS considered. See MPEP 1308.

571-272-4200 or 1-888-786-0101 Application Assistance Unit Office of Data Management

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	ed States Patent a	nd Trademark Office	UNITED STATES DEPAR United States Patent and Address: COMMISSIONER F P.O. Box 1450 Alexandria, Virginia 22, www.uspio.gov	OR PATENTS
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
12/495,190	06/30/2009	Russell W. White	AFF.0004C7US	2380
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HOUSTON, TX	3 77057-2631		ART UNIT	PAPER NUMBER
			2617	
			MAIL DATE	DELIVERY MODE
			03/09/2011	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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		Application No.	Applicant(s)
D	nee to Dulo 242 Communication	12/495,190	WHITE ET AL.
<i>Respo</i>	onse to Rule 312 Communication	Examiner	Art Unit
	The MAILING DATE of this communication	appears on the cover sheet	with the correspondence address –
	amendment filed on <u>03 March 2011</u> under 37 CFR entered.	1.312 has been considered, a	and has been:
b) 🗌	entered as directed to matters of form not affectir	g the scope of the invention.	
c) 🗌	disapproved because the amendment was filed a Any amendment filed after the date the issue f and the required fee to withdraw the application	ee is paid must be accompan	
d) 📋	disapproved. See explanation below.		
e) 🗌	entered in part. See explanation below.		
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12/495,190	06/30/2009		Russell W. White		AFF.0004C7U	S	2380
TITLE OF INVENTION	METHOD FOR CONT	FENT DELIVERY					
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GARY, E	RIKA A	2617	455-410000	_			
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Electronic Patent Application Fee Transmittal									
Application Number: 12495190									
Filing Date: 30-Jun-2009									
Title of Invention: METHOD FOR CONTENT DELIVERY									
First Named Inventor/Applicant Name: Russell W. White									
Filer:	Ma	rk J. Rozman/Steph	anie Petreas						
Attorney Docket Number: AFF.0004C7US									
Filed as Large Entity									
Utility under 35 USC 111(a) Filing Fees									
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)				
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Claims:									
Miscellaneous-Filing:									
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Description	Fee Code	Sub-Total in USD(\$)			
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Miscellaneous:					
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Electronic Ack	knowledgement Receipt
EFS ID:	9590540
Application Number:	12495190
International Application Number:	
Confirmation Number:	2380
Title of Invention:	METHOD FOR CONTENT DELIVERY
First Named Inventor/Applicant Name:	Russell W. White
Customer Number:	21906
Filer:	Mark J. Rozman/Stephanie Petreas
Filer Authorized By:	Mark J. Rozman
Attorney Docket Number:	AFF.0004C7US
Receipt Date:	04-MAR-2011
Filing Date:	30-JUN-2009
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Application Type:	Utility under 35 USC 111(a)

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	Application Number		12495190	
	Filing Date		2009-06-30	
	First Named Inventor Russe		sell W. White, et al.	
	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
	Attorney Docket Number		AFF.004C7US	

U.S.PATENTS										
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(Not for submission under 37 CFR 1.99)	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
	Attorney Docket Number		AFF.004C7US	

1	GSM 03.64 version 6.0.1 Release 1997, TS 101 350 V6.0.1, 42 pages, Aug. 1998					
2	NOVAK, DRUCE and QUIGG, LLP, Third Party Requester's Comments To Patent Owner's Reply Of September 14, 2010 Pursuant To 37 C.F.R. 1.947 with Exhibits A-E, mailed December 20, 2010, in U.S. Patent Reexamination No. 90/010,333.					
3	Declaration of Scott Andrews Under 37 C.F.R. 1.132 with Exhibits A-C, submitted with Comments of Requester, Volkswagen Group of America, Inc., Pursuant to 37 CFR 1.947, mailed February 11, 2011, in U.S. Patent Reexamination No. 95/001,281.					
4	Declaration of Dr. DeWayne Perry Under 37 C.F.R. 1.132 with Exhibits A-P, submitted with Comments of Requester, Volkswagen Group of America, Inc., Pursuant to 37 CFR 1.947, mailed February 11, 2011, in U.S. Patent Reexamination No. 95/001,281.					
5	"Handbook for the WorkPad c3 PD Companion" 3Com Corporation, 1998, 240 pages.					
	"IEEE 100 The Authoritative Dictionary of IEEE Standards Terms, Seventh Edition" Published by Standards Information Network, IEEE Press, 2000, pages 357 and 994.					
7	KENYON & KENYON LLP, Comments Of Requester, Volkswagen Group of America, Inc., Pursuant to 37 CFR 1.947, mailed February 11, 2011, with Claims Charts (pages 1-46) and Exhibits 1-11 in U.S. Patent Reexamination No. 95/001,281.					
8	KENYON & KENYON LLP, Comments of Requester, Volkswagen Group of America, Inc., Pursuant to 37 C.F.R. 1.947 mailed December 20, 2010 in U.S. Patent Reexamination No. 95/001,233 (merged with 90/010,333 and 95/001,264), with Claims Charts (pages 1-80) and Exhibits 1-11.					
9 Declaration of Scott Andrews Under 37 C.F.R. 1.132 with Exhibits A-C, submitted with Comments of Requester, 9 Volkswagen Group of America, Inc., Pursuant to 37 CFR 1.947, mailed December 20, 2010, in U.S. Patent Reexamination No. 95/001,233.						
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		12495190	
	Filing Date		2009-06-30	
	First Named Inventor Russe		sell W. White, et al.	
	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
	Attorney Docket Number		AFF.004C7US	

¹ See Kind Codes of USPTO Patent Documents at <u>www.USPTO.GOV</u> or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE	Application Number		12495190	
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	Examiner Name	Erika	A. Gary	
	Attorney Docket Number		AFF.004C7US	

	CERTIFICATION STATEMENT							
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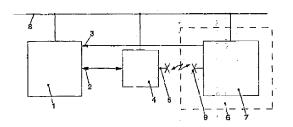
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The following information was taken from the documents submitted by the applicant

- Motor Vehicle Audio Device
- (i) The invention relates to a motor vehicle audio device, including an interface for a CD changer, whereby an interface emulator (4) is connected to the interface (2) for the CD changer, and a player (7) for digital audio signals that are stored in compressed form is connected to the interface emulator (4), and whereby the interface emulator (4) converts control and status signals coming from the motor vehicle audio device (1) to a format compatible with the player, and status signals coming from the player (7) to a format compatible with the CD changer.



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Description

[0001] The invention relates to a motor vehicle audio device, including an interface for a CD changer, as described in the preamble of Claim 1.

[0002] Currently, there essentially exist several standards for storing music signals or tone signals in a compressed manner in digital form, for example, the MP-3 Standard (MPEG-1 Audio Layer 3), the MS Audio Standard (WMA) and AAC (Advanced Audio Codirig), defined by the MPEG-2 Standard. 10 With the aid of an appropriately equipped computer, one is able to store audio signals, coded and compressed according to these standards, on CD ROMs available in the market, and recall them at any time. Due to the compression, one is thus able to achieve on a CD-ROM a playing time that is greater by ¹⁵ a multiple. Various portable players, such as MP-3 players, are already known for playback. Various devices are already known for the integration of a player of compressed-stored data into a motor vehicle.

[0003] A combined player for digitally stored music signals ²⁰ and tone signals is known from DE 299 19 802 U1,

in which, with the aid of a laser beam, optically scannable data of the inserted CD/CD-ROM are guided either to a signal processing stage for MP3 or to a signal processing stage for $_{25}$ non-data-reduced signals, using a manual switch or automatically, using an identification device.

[0004] An MP3 player for a motor vehicle is known from EP 0 999 549 A2, which includes a device for the recognition of the data format, whereby the data of an audio CD are guided ³⁰ directly to a digital/analog converter and the MP3 data are guided to an MP3 decoder having a digital/analog converter connected downstream. Using a single CD player, both audio CD's and MP3 CD's may thus be played, so that one may do 35 without a CD changer.

[0005] The disadvantage of the known MP3 player design approaches is that, in each case, the motor vchicle radios that are already present have to be exchanged. This is extremely costly, especially in the case of high-valued motor vchicle $_{40}$ radios as a component of infotainment design approaches. On the other hand, the majority of motor vchicle radios present offer no possibility of practically integrating players for data stored in compressed fashion.

[0006] Therefore, the invention is based on the technical ⁴⁵ problem of creating a motor vehicle radio with a player of data stored in compressed form, whereby motor vehicle radios already present should largely be able to be retrofitted.

[0007] The solution of the technical problem follows from the subject matter having the features of Claim 1. Additional advantageous embodiments of the invention follow from the dependent claims.

[0008] To this end, an interface emulator is connected to the interface for the CD changer of the motor vehicle radio, and a 55 player of audio data stored in compressed form according to one of the standards is connected to the interface emulator, whereby the interface emulator converts control and status signals coming from the motor vehicle radio to a format compatible with the player, and status signals coming from the ⁶⁰ player to a format compatible with the CD changer.

[0009] In a further preferred specific embodiment, the output of the player of the digital audio signals stored in compressed form is connected directly to an input of the motor vehicle $_{65}$ audio device, whereby the digital audio signals are then

converted to analog audio signals in the player before being passed on to the motor vehicle audio device.

[0010] In principle, the interface emulator could be integrated into the player of audio signals stored in compressed form. This is of advantage if the configuration does not change. However, in that case the currently available players have to be modified.

[0011] In a further preferred specific embodiment, the interface emulator and the player of digital audio signals stored in compressed form are therefore designed as separate units. In this context, an interface is preferably allocated to each the player and the interface emulator, particularly an interface for wireless data transmission, via which the control signals and the status signals can be transmitted.

[0012] In another preferred specific embodiment, the player of digital audio signals stored in compressed form is connected to the motor vehicle electrical system via the interface emulator or via a plug connection. If the player is a portable unit, it may be provided that the accumulators are charged during the operating phases of the motor vehicle.

[0013] In another preferred specific embodiment, means for converting various portable media-playback devices are stored in the interface emulator, which can optionally be connected to the interface emulator.

[0014] The invention is explained in greater detail below, on the basis of a preferred exemplary embodiment. The only figure shows a schematic block diagram of a motor vehicle audio device with an MP3 player.

[0015] Motor vehicle audio device 1 includes an interface 2 for a CD changer and an audio input 3 for CD data. Motor vehicle audio device 1 is connected to an interface emulator 4, via interface 2. Interface emulator 4 is also designed to include a wireless interface 5. Interface emulator 4 is able to communicate, via wireless interface 5, with an MP3 player 7 which is situated in an accommodating unit 6. The MP3 data may be either stored in a storage medium or made available online.

[0016] Accommodating unit 6 includes mechanical connecting means and electrical plug connections that are not shown, via which the MP3 player can be connected to a motor vehicle electrical system 8 and audio input 3 of motor vehicle radio 1. In addition, MP3 player 7 is designed to have a wireless interface 9. MP3 player 7 is situated detachably in accommodating unit 6, so that, for instance, portable MP3 players 7 can be attached only temporarily to motor vehicle audio device 1.

[0017] Now, if such a portable MP3 player 7 is situated in the accommodating unit, it is supplied with voltage via motor vehicle electrical system 8, and the accumulators, not shown, are charged at the same time. The output signals of MP3 player 7, which in a portable unit are usually emitted to the headphones, may be emitted directly to audio input 3 of motor vehicle radio 1, from where the signals may be passed on to the loudspeakers in the motor vehicle.

[0018] The main task of interface emulator 4 is converting the control and status signals of motor vehicle audio device 1 and MP3 player 7. The control and status signals transmitted by motor vehicle audio device 1 via interface 2 are adapted for a CD changer. Interface emulator 4 receives these signals and converts them to a format for MP3 player 7.

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The converted control and status signals are then sent by interface emulator 4 via air interface 5, and, using air interface 9, received and executed by MP3 player 7. Conversely, MP3 player 7 sends its status signal via wireless interface 9, which are received by wireless interface 5 of ⁵ interface emulator 4. Interface emulator 4 converts the status signals of MP3 player 7 to status signals of a CD changer, and transmits those via interface 2 to motor vehicle radio 1. From a signal technology point of view, interface emulator 4 has the 10 effect that the motor vehicle radio communicates with a virtual CD changer.

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What Is Claimed Is:

1. A motor vehicle audio device, including an interface for a CD changer, wherein an interface 20 emulator (4) is connected to the interface (2) for the CD changer, and a player (7) of audio signals stored in compressed form is connected to the interface emulator (4), whereby the interface emulator (4) converts control and status signals coming from the 25 motor vehicle audio device (1) to a format compatible with the player (7), and status signals coming from the player (7) to a format compatible with the CD changer.

2. The motor vehicle audio device as recited in Claim 30 1, wherein a signal output of the player (7) is directly connected to a signal input (3) of the motor vehicle audio device (1).

3. The motor vehicle audio device as recited in Claim 1 or 2, wherein the interface emulator (4) and the player (7) are developed as separate units, which communicate with one another via at least one interface for wireless connection (5, 9).

4. The motor vehicle audio device as recited in one of 40 the preceding claims, wherein the player (7) is connected to the motor vehicle electrical system (8) via interface emulator (4) or a plug connection.

5. The motor vehicle audio device as recited in one of the preceding claims, wherein means for converting various portable media-playback devices are stored in interface emulator (4), which can optionally be connected to the interface emulator (4).

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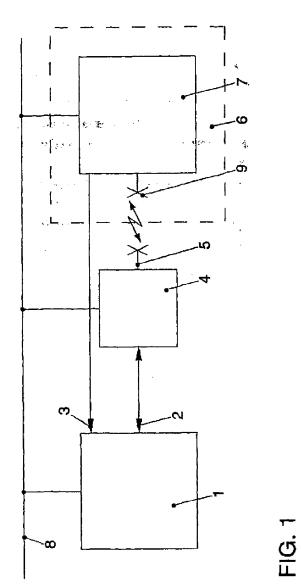
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Number: Int. Cl.⁷: Disclosure date: DE 101 01 702 A1 B 60 R 11/02 18 July 2002



102 290/565

DECLARATION

I, Robert C. Ferber, declare that I am well qualified as a translator of German to English and that I have carefully reviewed the attached English language translation from the original document,

KRAFTFAHRZEUG-AUDIOGERÄT - German Document DE 101 01 702 A1 VWGOA0008475-VWGOA0008478

(Motor Vehicle Audio Device)

written in German; and that the attached translation is an accurate English version of such original to the best of my knowledge and belief.

I certify under penalty of perjury that the foregoing is true and correct.

Date 9/30/2010

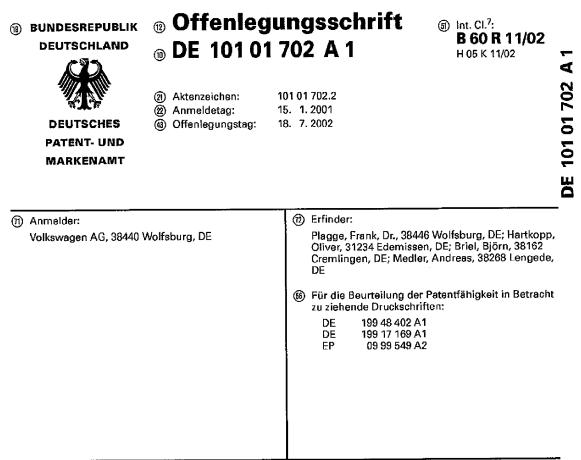
Signature__ Robert C. Ferber

Name

ROBERT C. FERBER

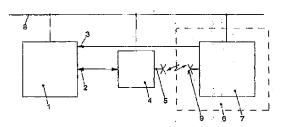
VWGOA0008478T.0001 Samsung Ex. 1211 p. 80





Die folgenden Angaben sind den vom Anmelder eingereichten Unterlagen entnommen

- (ii) Kraftfahrzeug-Audiogerät
- Dio Erfindung botrifft oin Kraftfahrzeug-Audiogerät, umfassend eine Schnittstelle für einen CD-Wechsler, wobei an der Schnittstelle (2) für den CD-Wechsler ein Schnittstellen-Emulator (4) und an dem Schnittstellen-Emulator (4) ein Abspielgerät (7) für komprimiert abgespeicherte digitale Audiosignale angeschlossen ist, wobei der Schnittstellen-Emulator (4) vom Kraftfahrzeug-Audiogerät (1) kommende Steuer- und Statussignale in ein für das Abspielgerät kompatibles Format und vom Abspielgerät (7) kommende Statussignale in ein cD-Wechsler kompatibles Format umsetzt.



[0001] Die Erfindung betrifft ein Kraftfahrzeug-Audiogerät, umfassend eine Schnittstelle für einen CD-Wechsler gemäß dem Oberbegriff des Patentanspruchs 1.

[0002] Zur Zeit gibt es im wesentlichen mehrere Standards Musik- bzw. Tonsignale komprimiert in digitaler Form zu speichern, zum Beispiel den MP-3-Standard (MPEG-1 Audio Layer 3), den MS-Audio-Standard (WMA) und AAC (Advanced Audio Codirig), definiert durch den 10 MPEG-2-Standard. Auf handelsübliche CD-ROMs lassen sich mit Hilfe eines entsprechend ausgerüsteten Computers nach diesen Standards codierte und komprimierte-Audiosignale speichern und jederzeit wieder abrufen. Aufgrund der Komprimierung kann somit auf eine CD-ROM eine um ein Vielfaches höhere Spielzeit erreicht werden. Zur Wiedergabe sind bereits die verschiedensten tragbaren Abspielgeräte, zum Beispiel MP-3-Player bekannt. Zur Integration eines Abspielgerätes für die komprimiert abgespeicherten Daten in ein Kraftfahrzeug sind bereits verschiedene Vorrich- 20 tungen bekannt,

[0003] Aus der DE 299 19 802 U1 ist ein kombiniertes Abspielgerät für digital gespeicherte Musik- bzw. Tonsignale bekannt, wobei mit Hilfe eines Laserstrahls optisch abzutastende Daten der eingelegten CD/CD-ROM mittels 25 eines manuellen Schalters oder automatisch mittels einer Erkennungseinrichtung entweder auf eine Signalverarbeitungsstufe für MP3 oder auf eine Signalverarbeitungsstufe für nicht datenreduzierte Signale geführt werden.

[0004] Aus der EP 0 999 549 Å2 ist ein MP3-Player für 30 ein Kraftfahrzeug bekannt, der eine Einrichtung zur Erkennung des Datenformats umfaßt, wobei die Daten einer Audio-CD direkt auf einen Digital-Analog-Wandler und die MP3-Daten auf einen MP3-Dekodierer mit nachgeschaltetem Digital-Analog-Wandler geführt werden, Mittels eines 35 einzigen CD-Abspielgerätes können somit sowohl Audio-CDs als auch MP3-CDs abgespielt werden, so daß auf CD-Wechsler verzichtet werden kann.

[0005] Nachteilig an den bekannten MP3-Player Lösungen ist, daß jeweils die bereits vorhandenen Kraftfahrzeug- 40 Radios ausgetauscht werden müssen. Insbesondere bei hochwertigen Kraftfahrzeug-Radios als Bestandteil von Infotainment-Lösungen ist dies extrem kostspielig. Andererseits bieten die Mehrzahl der vorhandenen Kraftfahrzeug-Radios keine Möglichkeit, Abspielgeräte für die komprimiert abgespeicherten Daten praktikabel zu integrieren.

[0006] Der Erfindung liegt daher das technische Problem zugrunde, ein Kraftfahrzeug-Radio mit einem Abspielgerät für die komprimiert abgespeicherten Daten zu schaffen, wobei bereits vorhandene Kraftfahrzeug-Radios weitgehend ⁵⁰ nachrüstbar sein sollen.

[0007] Die Lösung des technischen Problems ergibt sich durch den Gegenstand mit den Merkmalen des Patentanspruchs 1. Weitere vorteilhafte Ausgestaltungen der Erfindung ergeben sich aus den Unteransprüchen.

[0008] Hierzu wird an die Schnittstelle für den CD-Wechsler des Kraftfahrzeug-Radios ein Schnittstellen-Emulator und an den Schnittstellen-Emulator ein Abspielgerät für die nach einem der Standards komprimiert abgespeicherten Audiodaten angeschlossen, wobei der Schnittstellen-60 Emulator vom Kraftfahrzeug-Radio kommende Steuer- und Statussignale in ein für das Abspielgerät kompatibles Format und vom Abspielgerät kommende Statussignale in ein CD-Wechsler kompatibles Format umsetzt.

[0009] In einer weiteren bevorzugten Ausführungsform 65 wird der Ausgang des Abspielgerätes für die komprimiert abgespeicherten digitalen Audiosignale direkt mit einem Bingang des Kraftfahrzeug-Audiogeräts verbunden, wobei

die digitalen Audiosignale dann im Abspielgerät vor der Weitergabe an das Kraftfahrzeug Audiogerät in analoge Audiosignale umgewandelt werden.

- [0010] Prinzipiell kann der Schnittstellen-Emulator in das Abspielgerät für komprimiert abgespeicherte Audiosignale integriert werden. Dies ist von Vorteil, wenn die Konfiguration sich nicht ändert. Jedoch sind dann die vorhandenen Abspielgeräte zu modifizieren.
- [0011] In einer weiteren bevorzugten Ausführungsform sind daher der Schnittstellen-Emulator und das Abspielgerät für die komprimiert abgespeicherten digitalen Audiosignale als separate Einheiten ausgebildet. Dabei ist vorzugsweise dem Abspielgerät und dem Schnittstellen-Emulator jeweils eine Schnittstelle, insbesondere eine Schnittstelle zur draht-
- losen Datenübertragung zugeordnet, über die die Steuerund Statussignale übertragbar sind.

[0012] In einer weiteren bevorzugten Ausführungsform ist das Abspielgerät für die komprimiert abgespeicherten digitalen Audiosignale über den Schnittstellen-Emulator oder eine Steckverbindung mit dem Kraftfahrzeug-Bordnetz verbunden. Handelt es sich bei dem Abspielgerät um ein tragbares Gerät, so kann vorgeschen sein, daß in den Betriebsphasen im Kraftfahrzeug die Akkumulatoren aufgeladen werden.

- 5 [0013] In einer weiteren bevorzugten Ausführungsform sind in dem Schnittstellen-Emulator Mittel zur Konvertierung verschiedener tragbarer Medienwiedergabegeräte abgelegt, die wahlweise mit dem. Schnittstellen-Emulator verbindbar sind.
- 0 [0014] Die Erfindung wird nachfolgend anhand eines bevorzugten Ausführungsbeispieles näher erläutert. Die einzige Figur zeigt ein schematisches Blockschaltbild eines Kraftfahrzeug-Audiogerätes mit MP3-Player.
- [0015] Das Kraftfahrzeug-Audiogerät 1 umfaßt eine Schnittstelle 2 für einen CD-Wechsler und einen Audioeingang 3 für CD-Daten. Über die Schnittstelle 2 ist das Kraftfahrzeug-Audiogerät 1 mit einem Schnittstellen-Emulator 4 verbunden. Der Schnittstellen-Emulator 4 ist des weiteren mit einer Luftschnittstelle 5 ausgebildet. Über die Luft-
- o schnittstelle 5 kann der Schnittstellen-Einulator 4 mit einem in einer Aufnahmeeinheit 6 angeordneten MP3-Player 7 kommunizieren. Die MP3-Daten können dabei entweder in einem Speichermedium abgelegt oder online zur Verfügung gestellt werden.
- i [0016] Die Aufnahmeeinheit 6 umfaßt nicht dargestellte mechanische Verbindungsmittel und elektrische Steckverbindungen, über die der MP3-Player mit einem Kraftfahrzeug-Bordnetz 8 und dem Audiocingang 3 des Kraftfahrzeng-Radios 1 verbindbar ist, Weiter ist der MP3-Player 7 mit einer Luftschnittstelle 9 ausgebildet. Der MP3-Player 7 ist lösbar in der Aufnahmeeinheit 6 angeordnet, so daß beispielsweise tragbare MP3-Player 7 auch nur temporär dem

Kraftfahrzeug-Audiogerät 1 zuordenbar sind.
[0017] Wird nun ein derartiger tragbarer MP3-Player 7 in
55 der Aufnahmeeinheit angeordnet, so wird dieser töber das Kraftfahrzeug-Bordnetz 8 mit Spannung versorgt und gleichzeitig die nicht dargestellten Akkumulatoren aufgeladen. Die Ausgangssignale des MP3-Player 7, die bei einem tragbaren Gerät üblicherweise auf die Kopfhörer ausgege60 ben werden, können direkt auf Audioeingang 3 des Kraftfahrzeug-Radios 1 ausgegeben werden, von wo aus diese an

die Lautsprecher im Kraftfahrzeug weitergeleitet werden können, [0018] Die Hauptaufgabe des Schnittstellen-Emulators 4 ist die Konvertierung der Steuer, und Statussionale von dem

ist die Konvertierung der Steuer- und Statussignale von dem Kraftfahrzeug-Audiogerät 1 und dem MP3-Player 7. Die von dem Kraftfahrzeug-Audiogerät 1 über die Schnittstelle 2 übertragenen Steuer- und Statussignale sind auf einen CD-

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Weehsler abgestimmt, Der Schnittstellen-Emulator 4 empfängt diese Signale und konvertiert diese in ein Format für den MP3-Player 7. Die konvertierten Steuer- und Statussignale werden dann von dem Schnittstellen-Emulator 4 über die Luftschnittstelle 5 gesendet und mittels der Luftschnitt- 5 stelle 9 vom MP3-Player 7 empfangen und ausgeführt. Umgekehrt sendet der MP3-Player 7 seine Statussignale über die Luftschnittstelle 9, die von der Luftschnittstelle 5 des Schnittstellen-Emulators 4 empfangen werden. Der Schnittstellen-Emulator 4 konvertiert die Statussignale des MP3- 10 Players 7 in Statussignale eines CD-Wechslers und überträgt diese über die Schnittstelle 2 an das Kraftfahrzeug-Radio 1. Signaltechnisch bewirkt der Schnittstellen-Emulator 4, daß das Kraftfahrzeug-Radio mit einem virtuellen (D-Wechsler 15 kommuniziert.

Patentansprüche

1. Kraftfahrzeug-Audiogerät, umfassend eine Schnittstelle für einen CD-Wechsler, dadurch gekennzeich-20 net, daß an der Schnittstelle (2) für den CD-Wechsler ein Schnittstellen-Emulator (4) und an dem Schnittstellen-Emulator (4) ein Abspielgerät (7) für komprimiert abgespeicherte Audiosignale angeschlossen ist, wobei der Schnittstellen-Emulator (4) vom Kraftfahrzeug-Audiogerät (1) kommende Steuer- und Statussignale in ein für das Abspielgerät (7) kompatibles Format und vom Abspielgerät (7) kommende Statussignale in ein CD-Wechsler kompatibles Format umsetzt.

2. Kraftfahrzeug Audiogerät nach Anspruch 1, da- 30 durch gekennzeichnet, daß ein Signalausgang des Abspielgerätes (7) direkt mit einem Signaleingang (3) des Kraftfahrzeug-Audiogerätes (1) verbunden ist.

 Kraftfahrzeug-Audiogerät nach Anspruch 1 oder 2. dadurch gekennzeichnet, daß der Schnittstellen-Emulator (4) und Abspielgerät (7) als separate Einheiten ausgebildet sind, die über mindestens eine Schnittstelle zur drahtlosen Verbindung (5, 9) miteinander kommunizieren.

 Kraftfuhrzeug-Audiogerät nach einem der vorange- 40 gangenen Ansprüche, dadurch gekennzeichnet, daß über den Schnittstellen-Emulator (4) oder eine Steckverbindung Abspielgerät (7) mit dem Kraftfahrzeug-Bordnetz (8) verbunden ist.

5. Kraftfahrzeug-Audiogerät nach einem der vorangegangenen Ansprüche, dadurch gekennzeichnet, daß im Schnittstellen-Emulator (4) Mittel zur Konvertierung verschiedener tragbarer Medienwiedergabegeräte abgelegt sind, die wahlweise mit dem Schnittstellen-Emulator (4) verbindbar sind. 50

Hierzu 1 Seite(n) Zeichnungen

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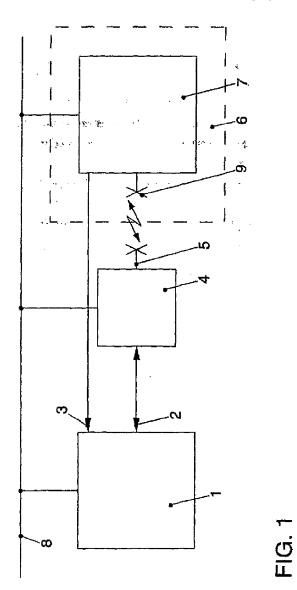
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ZEICHNUNGEN SEITE 1

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Nummer: Int. Cl.⁷: Offenlegungstag: DE 101 01 702 A1 B 60 R 11/02 18. Julí 2002



102 290/565

VWGOA0008478 VWGOA0008478T.0005 Samsung Ex. 1211 p. 84

Exhibit M-1

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Electronic Patent Application Fee Transmittal						
Application Number:	12495190					
Filing Date:	30	30-Jun-2009				
Title of Invention:	METHOD FOR CONTENT DELIVERY					
First Named Inventor/Applicant Name:	Ru	ssell W. White				
Filer:	Ma	ırk J. Rozman/Steph	anie Petreas			
Attorney Docket Number:	AF	F.0004C7US				
Filed as Large Entity						
Utility under 35 USC 111(a) Filing Fees						
Description		Fee Code	Quantity	Amount	Sub-Total in USD(\$)	
Basic Filing:						
Pages:						
Claims:						
Miscellaneous-Filing:						
Petition:						
Patent-Appeals-and-Interference:						
Post-Allowance-and-Post-Issuance:						
Extension-of-Time:						

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Miscellaneous:				
Submission- Information Disclosure Stmt	1806	1	180	180
	Tot	al in USD	(\$)	180

Electronic Acknowledgement Receipt				
EFS ID:	9580786			
Application Number:	12495190			
International Application Number:				
Confirmation Number:	2380			
Title of Invention:	METHOD FOR CONTENT DELIVERY			
First Named Inventor/Applicant Name:	Russell W. White			
Customer Number:	21906			
Filer:	Mark J. Rozman/Stephanie Petreas			
Filer Authorized By:	Mark J. Rozman			
Attorney Docket Number:	AFF.0004C7US			
Receipt Date:	03-MAR-2011			
Filing Date:	30-JUN-2009			
Time Stamp:	16:02:12			
Application Type:	Utility under 35 USC 111(a)			

Payment information:

Submitted with Payment	yes			
Payment Type	Deposit Account			
Payment was successfully received in RAM	\$180			
RAM confirmation Number	2448			
Deposit Account 201504				
Authorized User				
The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:				
Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)				

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.
1	Amendment after Notice of Allowance (Rule 312)	AFF004C7US312Amendment. pdf	47701	no	3
	(nule 512)	pu	c314b8c43b99cf9c6d3f06b2d08163d8d92 ba021		
Warnings:					
Information:					
2	Information Disclosure Statement (IDS) Filed (SB/08)	AFF004C7IDStofileafterNOAToF ile.pdf	42258	no	5
	- nea (35,00)	ne.pui	d78112ac5b60d35623ee2ff586ff19a85d42f 451		
Warnings:					
Information:					
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3	Foreign Reference	DE10101702A1.pdf	278088	no	10
	, ,	'	ba680f6917517b0004f429e166c0558ca3a0 0e2f		10
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Information:					
4	NPL Documents	CommentsOfRequesterAndExh	12249090	no	476
		ibits01.pdf	1971257cbca6e09a973f3ba7b23d5cb1c05 e107d		
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Information:					
5	NPL Documents	CommentsOfRequesterAndExh	13432373	no	468
		ibits02ToFile.pdf	acb36c069635a80ffbb44db50d91fede207a 7b50		
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Information:					
6	NPL Documents	CommentsOfRequesterAndExh	12868825	no	258
		ibits03.pdf	06f6485c3ceb9e3b7486650148fe8914f1d0 593e		200
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7	NPL Documents	DeclarationOfDrDewaynePerry.	14242266	no	428
,		pdf	8565e02ae5f4d6996f213b7d0ad24f5897c3 b963		
Warnings:			·		
Information:					
8	NPL Documents	DeclarationOfScottAndrews01.			110
		pdf	7838ad49bdd01d2a87c3cce8ac81ef07a21 2ccb5		
Warnings:			•	I	

9	9 NPL Documents DeclarationOfScottAndrews02. pdf		4014341	no	114		
			289199d92be3fad19d72b37d32fa90379fc8 7ac0				
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10	NPL Documents	GSMver601.pdf	2301243	no	42		
			7a3f489bd0b22dfd285f7b6777694dfe7bd 8562e				
Warnings:							
Information:		1					
11	NPL Documents	HandbookForTheWorkPadC3P	4730581	no	248		
		CCompanion.pdf	3b0d304128a566aa941390a481c60ab71bf dfecb				
Warnings:							
Information:							
12	NPL Documents	IEEE100theAuthoritativeDict.	216299	no	5		
		pdf	6bf6ce3416adfa19e4cbd67193d247bbe88 6b8e9				
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13	Fee Worksheet (PTO-875)	fee-info.pdf	30644	no	2		
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Warnings:							
Information:			1				
		Total Files Size (in bytes)	: 684	442230			
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If a new inter an internatio and of the In national secu	<u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.						

Samsung Ex. 1211 p. 90

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Russell W. White et al.	§ 8	Group Art Unit:	2617
Serial No.:	12/495,190	ş	F .	
Filed:	June 30, 2009	§ §	Examiner:	Erika A. Gary
For:	Method for Content Delivery	§ §	Atty. Dkt. No.:	AFF.0004C7US

Mail Stop Issue Fee Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

AMENDMENT UNDER 37 C.F.R. § 1.312

Sir:

Please amend the above-referenced patent application as follows.

Amendments to the Specification begin on page 2 of this paper.

Remarks/Arguments begin on page 3 of this paper.

Date of Deposit: <u>March 3, 2011</u> I hereby certify under 37 CFR § 1.8 this correspondence is being deposited **via EFS** on the date indicated above.

/Stephanie Petreas/

Stephanie Petreas

Amendments to the Specification:

Please replace paragraph beginning on page 2, paragraph 1 with the following amended paragraph:

This application is a continuation of <u>U.S. Patent Application No. 12/015,320</u>, filed January 16, 2008, which is now U.S. Patent No. 7,778,595, which issued on August 17, 2010 entitled "Method for Managing Media," which is a continuation of <u>U.S. Patent Application No.</u> 10/947,755, filed on September 23, 2004, which is now U.S. Patent No. 7,324,833, which issued on January 29, 2008, which is a continuation of <u>U.S. Patent Application No. 09/537,812</u>, filed on <u>March 28, 2000</u>, which is now U.S. Patent No. 7,187,947, which issued on March 6, 2007, the disclosures of which are all hereby incorporated herein by reference in their entirety for all purposes.

REMARKS/ARGUMENTS

The above amendment to the Specification updates the priority claim to include the application serial numbers and filing dates.

Applicants respectfully submit that the priority claim including serial numbers was included with the present application as filed, as the Transmittal Letter filed with the application included such information. Further the U.S. Patent and Trademark Office has correctly identified the priority in the Filing Receipt received, which indicates priority to U.S. Patent Application No. 12/015,320, filed January 16, 2008, U.S. Patent Application No. 10/947,755, filed September 23, 2004 and U.S. Patent Application No. 09/537,812, filed March 28, 2000.

Thus it is respectfully submitted that no petition is needed for the above amendment, per M.P.E.P. §201.11V ("...the Office will not require a petition and the surcharge under 37 CFR 1.17(t) to correct the benefit claim if the information concerning the benefit claim contained elsewhere in the application was recognized by the Office as shown by its inclusion on a filing receipt."), and per this section of the M.P.E.P., the Specification is amended above.

Also provided herewith is an Information Disclosure Statement that includes various comments filed by third party Requesters (on December 20, 2010 and February 11, 2011) in pending reexaminations of patents related to the present application, and documents in connection with these comments. It is respectfully requested that the Examiner consider these documents.

In view of these remarks, the application is now in condition for allowance and the Examiner's prompt action in accordance therewith is respectfully requested. The Commissioner is authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-1504.

Date: March 3, 2011

Respectfully submitted,

<u>/Mark J. Rozman/</u>

Mark J. Rozman Registration No. 42,117 TROP, PRUNER & HU, P.C. 1616 S. Voss Road, Suite 750 Houston, Texas 77057-2631 (512) 418-9944 [Phone] (713) 468-8883 [Fax] Customer No.: 21906



UNITED STATES PATENT AND TRADEMARK OFFICE

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Alexandria, Virginia 22313-1450	
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NOTICE OF ALLOWANCE AND FEE(S) DUE

²¹⁹⁰⁶7590 **02/22/2011 TROP, PRUNER & HU, P.C. 1616 S. VOSS ROAD, SUITE 750** HOUSTON, TX 77057-2631

EXAMINER				
GARY, ERIKA A				
ART UNIT	PAPER NUMBER			
2617				

DATE MAILED: 02/22/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/495,190	06/30/2009	Russell W. White	AFF.0004C7US	2380

TITLE OF INVENTION: METHOD FOR CONTENT DELIVERY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/23/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED</u>. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:	If the SMALL ENTITY is shown as NO:
A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.	A. Pay TOTAL FEE(S) DUE shown above, or
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or	B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

Page 1 of 3

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						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/495,190	06/30/2009	ł	Russell W. White		AFF.0004C7US	2380
TITLE OF INVENTION	I: METHOD FOR CONT	TENT DELIVERY				
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE	FEE TOTAL FEE(S) DUI	E DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/23/2011
EXAN	IINER	ART UNIT	CLASS-SUBCLASS]		
GARY, I	ERIKA A	2617	455-410000			
CFR 1.363). Change of corresp Address form PTO/SI "Fee Address" ind	ence address or indicatio pondence address (or Cha B/122) attached. lication (or "Fee Address D2 or more recent) attach	nge of Correspondenc	(1) the names of up to or agents OR, alternati (2) the name of a singl registered attorney or a	• 3 registered patent vely, le firm (having as a r agent) and the names orneys or agents. If m	nember a 2	
PLEASE NOTE: Un recordation as set fort (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comj GNEE	ified below, no assign pletion of this form is	ON THE PATENT (print or typ nee data will appear on the p NOT a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assigned assignment. 7 and STATE OR CC	DUNTRY)	
Please check the appropri	iate assignee category or	categories (will not b	e printed on the patent) :	Individual 🖵 Cor	poration or other private g	oup entity Government
4a. The following fee(s)	are submitted:		4b. Payment of Fee(s): (Plea	ase first reapply any	v previously paid issue fee	shown above)
Issue Fee			A check is enclosed.			
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	ted States Pate	NT AND TRADEMARK OFFICE	UNITED STATES DEPAR United States Patent and Address: COMMISSIONER F P.O. Box 1450 Alexandria, Virginia 223 www.uspto.gov	Trademark Office OR PATENTS
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
12/495,190	06/30/2009	Russell W. White	AFF.0004C7US	2380
21906 75	90 02/22/2011		EXAM	IINER
TROP, PRUNER 1616 S. VOSS RO	,		GARY, I	ERIKA A
HOUSTON, TX 77	,		ART UNIT	PAPER NUMBER
			2617	
			DATE MAILED: 02/22/201	1

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

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	Application No.	Applicant(s)
	12/495,190	WHITE ET AL.
Notice of Allowability	Examiner	Art Unit
		0017
	Erika A. Gary	2617
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	(OR REMAINS) CLOSED in) or other appropriate comministic appropriate comministic application is stated as a second stated a	n this application. If not included unication will be mailed in due course. THIS
1. \square This communication is responsive to <u>1/18/11</u> .		
2. ⊠ The allowed claim(s) is/are <u>19, 21-33, 36-41</u> .		
 3. ☐ Acknowledgment is made of a claim for foreign priority u a) ☐ All b) ☐ Some* c) ☐ None of the: 	nder 35 U.S.C. § 119(a)-(d)	or (f).
1. 🗌 Certified copies of the priority documents hav		
2. 🔲 Certified copies of the priority documents hav		
3. 🔲 Copies of the certified copies of the priority do	ocuments have been receive	d in this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be subn INFORMAL PATENT APPLICATION (PTO-152) which giv		
↓ 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") mu	st be submitted.	
(a) [] including changes required by the Notice of Draftsper		v (PTO-948) attached
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment of	r in the Office action of
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in		
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Attachment(s)		formal Datant Application
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3. X Information Disclosure Statements (PTO/SB/08),	Paper No.	/Mail Date Amendment/Comment
Paper No./Mail Date	_	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🔲 Examiner's 9. 🔲 Other	Statement of Reasons for Allowance
/Erika A. Gary/		
Primary Examiner, Art Unit 2617		
U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)	otice of Allowability	Part of Paper No./Mail Date 20110217

	Application/Control No.	Applicant(s)/Patent Under Reexamination
Issue Classification	12495190	WHITE ET AL.
	Examiner	Art Unit
	Erika A Gary	2617

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NONE		Total Claim	ns Allowed:
(Assistant Examiner)	(Date)	24	0
/Erika A Gary/ Primary Examiner.Art Unit 2617	2/17/11	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	1

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Part of Paper No. 20110217

	Application/Control No.	Applicant(s)/Patent Under Reexamination
Search Notes	12495190	WHITE ET AL.
	Examiner	Art Unit
	Erika A Gary	2617

	SEARCHED		
Class	Subclass	Date	Examiner
	see EAST search attached	9/14/10	EAG
	see EAST search attached	2/17/11	EAG

SEARCH NOTES		
Search Notes	Date	Examiner
see EAST search attached	9/14/10	EAG
see EAST search attached	2/17/11	EAG

	INTERFERENCE SEARCH						
Class	Subclass	Date	Examiner				
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Part of Paper No. : 20110217

Samsung Ex. 1211 p. 100

EAST Search History

EAST Search History (Prior Art)

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EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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L3	0	(((multimedia or mp3 or music or media adj player or audio adj file or audio aj stream) with (receiv\$3 or receiver or radio or stereo or sound adj system) with (broadcast\$3 or transmit\$4)) and (recharg\$5) and (local adj broadcast or radio adj station) and ((telphone or phone or incoming) adj call) and interface).clm.	USPAT; UPAD	OR	ON	2011/02/17 13:02
L4	0	(((multimedia or mp3 or music or media adj player or audio adj file or audio aj stream) with (receiv\$3 or receiver or radio or stereo or sound adj system) with (broadcast\$3 or transmit\$4)) and (recharg\$5) and (local adj broadcast or radio adj station) and ((telephone or phone or incoming) adj call) and interface).clm.	USPAT; UPAD	OR	ON	2011/02/17 13:02
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Receipt date: 01/18/2011

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

PTO/SB/08a (01-10)

Approved for use through 07/31/2012. OMB 065-10031 Mation Disclosure Statement (IDS) Filed U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number		12495190
	Filing Date		2009-06-30
	First Named Inventor	st Named Inventor Russell W. White, et al.	
(Not for submission under 37 CFR 1.99)	Art Unit	•	2617
(Notion submission under 37 CFR 1.33)	Examiner Name	Erika	A. Gary
	Attorney Docket Numb	er	AFF.004C7US

				U.S.	PATENTS	
Examiner Initial*			Patent Number Kind Code1 Issue Date Name of Patent of cited Docume		Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	7149543		2006-12-12	Kumar II	
	2	7321783		2008-01-22	Kim	
	3	5991640		1999-11-23	Lilja	
	4	6823255		2004-11-23	Sass	
	5	6259892		2001-07-10	Helferich	
	6	5914941		1999-07-22	Janky	
	7	6487663		2002-11-26	Jaisimha	
	8	6658247		2003-12-02	Saito	

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Samsung Ex. 1211 p. 107

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		12495190		
Filing Date		2009-06-30		
First Named Inventor	Russell W. White, et al.			
Art Unit		2617		
Examiner Name	Erika A. Gary			
Attorney Docket Number		AFF.004C7US		

	9	6007228		1999-12-28		Agarwal				
	10	5341350		1994-08	-23	Frank				
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Examiner Initial*	Cite N	lo Publication Number	Kind Code ¹	Publication Date		Name of Patentee or Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
	1	20020010759		2002-01-24		Hitson				
	2	20020164973		2002-11-07		Janik				
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	1 EP 0744839		EP	EP		1996-11-27	Grewe			
	2 H08-6875 JP				1996-01-12	Taishinji				
	3	H11-288558	JP			1999-10-19	Menju			

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Samsung Ex. 1211 p. 108

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		12495190		
Filing Date		2009-06-30		
First Named Inventor	Russ	II W. White, et al.		
Art Unit		2617		
Examiner Name Erika		A. Gary		
Attorney Docket Number		AFF.004C7US		

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6	١	NO 2000/54462	WO		2000-09-14	Bae			
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			NON-PATE	NT LITE	RATURE DO	CUMENTS			
Examiner Cit Initials* No		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.							
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5	f	Affinity Labs of Texas, LLC, Plaintiff and Counter-Claim Defendant, vs. Apple Inc., Defendant and Counter-Claim Plaintiff, Case No. 09-4436-CW, Apple Inc.'s First Invalidity Contentions Pursuant To Patent Local Rule 3-3, filed January 5, 2011, pages 1-25, with accompanying Appendixes A-G.							
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English language translation is attached.

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Filing Date		2009-06-30		
First Named Inventor Russe		II W. White, et al.		
Art Unit		2617		
Examiner Name Erika		A. Gary		
Attorney Docket Number		AFF.004C7US		

EXAMINER SIGNATURE Examiner Signature /Erika Gary/ (02/17/2011) Date Considered 02/17/2011 *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. * Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if

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Receipt date: 01/18/2011

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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	First Named Inventor Rus		Russell W. White, et al.	
(Not for submission under 37 CFR 1.99)	Art Unit	•	2617	
(Not for submission under 57 GFK 1.33)	Examiner Name	Erika	A. Gary	
	Attorney Docket Numb	er	AFF.004C7US	

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear			
	1	7149543		2006-12-12	Kumar II				
	2	7321783		2008-01-22	Kim				
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	7	6487663		2002-11-26	Jaisimha				
	8	6658247		2003-12-02	Saito				

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	9	6007228		1999-12	2-28	Agarwal				
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	1	20020010759		2002-01	-24	Hitson				
	2	20020164973		2002-11-07		Janik				
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Examiner Initial*	Cite No	Foreign Document Number ³	Country Code² i	y	Kind Code⁴	Publication	Name of Patente Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	T5
	1	EP 0744839	EP			1996-11-27	Grewe			
	2	H08-6875	JP			1996-01-12	Taishinji			
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Doc description: Information Disclosure Statement (IDS) Filed

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Application Number12495190INFORMATION DISCLOSURE
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				U.S.I	PATENTS		
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1	6248946		2001-06-19	Dwek		
	2	5572442		1996-11-05	Schulhof		
	3	6338044		2002-01-08	Cook		
	4	5797089		1998-08-18	Nguyen		
	5	6330247		2001-12-11	Chang		
	6	5737706		1998-04-07	Seazholtz		
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	U.S.PATENT APPLICATION PUBLICATIONS						
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Attorney Docket Number		AFF.004C7US		

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		1	FORE			IENTS		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code4	Publication Date	Name of Patentee Applicant of cited Document	e or Pages,Columns,Lines where Relevant Passages or Relevan Figures Appear	T5
	1	EP 984584	EP		2000-08-03	Lippert		
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			NON-PATE	ENT LITE	ERATURE DO	CUMENTS		
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	1		Sony Corporation, Sony Portable MiniDisc Recorder MZ-R90/MZ-R91 Operating Instructions, Doc. No. 3-867-571-22(1), 1999, pp. 1-55.					
	2	Empeg Car User Guide, 1999, pp. 1-19.						
	3	Empeg Car User Guide (2000) pp. 1-48						
	4	Crowe, Mike. Empeg Car Beta 10a, March 25, 2000, 3 pages.						
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12	"Visteon: For Your Listening Pleasure - Any Music, Any Time, Anywhere," Presswire, Jan. 5, 2000, 1 page.	
13	Photographs in email to Hugo Fiennes, Sept. 22, 1999, 4 pages.	
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19	Bill Mann, "I Want My MP3! How to Download, Rip, & Play Digital Music," McGraw-Hill 2000, 175 pages.	
20	IEEE Standard 802.11, 1997 Edition (Wireless LAN Medium Access Control and Physical Layer Specifications), 1997, pp. 1-145.	
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23	Creative Sound Blaster Live! Platinum product, documentation, and software: Creative Technology Ltd., Creative Sound Blaster Live! Platinum Getting Started, Sept. 1999, 93 pages.	
24	psa[play Getting Started Guide, (date unknown, contended by defendant Apple Corp. to be prior art under one or more of 35 U.S.C. 102 (a), (b), (f) and (g)), pp. 1-16.	
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27	Rio 800 Digital Audio Player—Getting Started, 2000, pp. 1-19.	

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	28 Rio 600 Getting Started Guide, 2001, pp. 1-169.								
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	1	EP 984584	EP		2000-08-03	Lippert		
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INFORMATION DISCLOSURE Application Number 12495190 Filing Date 2009-06-30 First Named Inventor Russell W. White, et al. Art Unit 2617 Examiner Name Erika A. Gary Attorney Docket Number AFF.004C7US

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Examiner Name Erika		A. Gary
Attorney Docket Number		AFF.004C7US

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First Named Inventor Russe		ell W. White, et al.
Art Unit		2617
Examiner Name Erika		A. Gary
Attorney Docket Numb	er	AFF.004C7US

34	The EMusic.com website (formerly www.goodnoise.com) (date unknown, contended by defendant Apple Corp. to be prior art under one or more of 35 U.S.C. 102 (a), (b), (f) and (g)) 2 pages.	
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First Named Inventor Russe		ell W. White, et al.
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¹ See Kind Codes of USPTO Patent Documents at <u>www.USPTO.GOV</u> or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here i English language translation is attached.									

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	46	Menta, "RIAA Sues Music Startup Napster for \$20 Billion" Newswire, Jan. 11, 2000, 4 pages.							
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	First Named Inventor	Russell W. White, Jr.
	Art Unit	2617
	Examiner Name	Erika A. Gary
	Attorney Docket Numb	ber AFF.0004C6US

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		12495190		
Filing Date		2009-06-30		
First Named Inventor Russell White, et al.				
Art Unit		2617		
Examiner Name	Erika A. Gary			
Attorney Docket Number		AFF.0004C7US		

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	1	U.S. Patent and Trademark Office, Office Action mailed May 24, 2010 with supplemental reply filed on July 26, 2010 for U.S. patent reexamination no.		23, 2010 and				
	2	Third Party Requester's Comments to Patent Owner's Supplemental Reply 1.947, filed on August 25, 2010 for U.S. patent reexamination no. 95/001,26		ursuant to 37 C.F.R				
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	Application Number	12015320	
	Filing Date	2008-01-16	
INFORMATION DISCLOSURE	First Named Inventor Russ	sell W. White	
STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Art Unit	2617	
	Examiner Name Erika	a A. Gary	
	Attorney Docket Number	AFF.0004C5US	

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12495190 - GAU: 2617

-	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number Filing Date		12015320 2008-01-16	
		First Named Inventor	Russ	ell W. White, et al.	
		Art Unit Examiner Name	Erika	2617 A. Gary	
		Attorney Docket Numb	er	AFF.004C5US	

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	Filing Date		2008-01-16	
INFORMATION DISCLOSURE	First Named Inventor Russ		sell W. White, et al.	
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	Examiner Name Erika		Erika A. Gary	
	Attorney Docket Numb	ber	AFF.004C5US	<u></u>

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	Attorney Docket Number		AFF.004C5US	

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Doc code: IDS

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(Not for submission under 57 CFK 1.59)	Examiner Name	Erika	Erika A. Gary	
	Attorney Docket Number		AFF.004C5US	

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	Attorney Docket Num	ber	AFF.004C5US	

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code²i	Kind Code4	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T5	
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	Examiner Name	Erika	A. Gary	
	Attorney Docket Num	ber	AFF.004C5US	

	1	Answer a	bs of Texas, LLC (Plaintiff) v. BMW North Americ nd Counterclaim of Defendant Volkswagen Group on January 15, 2010.			
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Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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	Application Number		12015320	
	Filing Date		2008-01-16	
INFORMATION DISCLOSURE	First Named Inventor R		Russell White, et al.	
(Not for submission under 37 CFR 1.99)	Art Unit		2617	
	Examiner Name	Erika	A. Gary	
	Attorney Docket Numb	er	AFF.004C5US	

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	Filing Date		2008-01-16	
INFORMATION DISCLOSURE	First Named Inventor Russ		Russeli White, et al.	
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	Examiner Name	Erika	A. Gary	<u> </u>
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	Examiner Name	Erika A. Gary	
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Art Unit		2617	
Examiner Name	Erika A. Gary		
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	Filing Date First Named Inventor Art Unit Examiner Name	Filing Date First Named Inventor Russe Art Unit	Filing Date 2008-01-16 First Named Inventor Russell White, et al. Art Unit 2617 Examiner Name Erika A. Gary

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	Attorney Docket Number	er AFF.004C5US	

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Receipt date: 12/16/2010

12495190 - GAU: 2617

Doc code: IDS

Doc description: Information Disclosure Statement (IDS) Filed

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	Application Number		12015320	
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	Examiner Name	Erika	A. Gary	
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	First Named Inventor Rus		Russell White, et al.	
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	First Named Inventor	Russ	ell White, et al.	
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	Examiner Name	Erika	A. Gary	<u> </u>
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Attorney Docket Number		AFF.004C5US					
	Erika	2008-01-16 Russell W. White, et al. 2617 Erika A. Gary	2008-01-16 Russell W. White, et al. 2617 Erika A. Gary				

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	2		Reply to Office Action Mailed August 5, 2009 in Reexamination Control No. 90/010,333 of U.S. Patent No. 7,324,833 (along with a Supplemental Reply and Second Supplemental Reply).							
	3	Response to "Notice of Failure to Comply with Inter Partes Reexamination Request Filing Requirements (37 CFR 1.915(d)) filed on September 22, 2009. Requestor: Volkswagen Group of America, Inc. with Replacement Request for Inter Partes Reexamination of U.S. Patent No. 7,324,833 and Claim Charts A-JJ.								
	4		The United States Patent And Trademark Office, Office Action Mailed November 9, 2007 in related patent application serial no. 10/947,755.							
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INFORMATION DISCLOSURE Application Number 12495190 Filing Date 2009-06-30 First Named Inventor Russell W. White, et al. Art Unit 2617 Examiner Name Erika A. Gary Attorney Docket Number AFF.004C7US

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	5	6330247		2001-12-11	Chang				
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	1	EP 984584	EP		2000-08-03	Lippert		
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