



US008648717B2

(12) **United States Patent**  
**Wesby-van Swaay**

(10) **Patent No.:** **US 8,648,717 B2**  
(45) **Date of Patent:** **\*Feb. 11, 2014**

(54) **PROGRAMMABLE COMMUNICATOR**

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **13/934,763**

(22) Filed: **Jul. 3, 2013**

(65) **Prior Publication Data**

US 2013/0295883 A1 Nov. 7, 2013

**Related U.S. Application Data**

(63) Continuation of application No. 13/801,773, filed on Mar. 13, 2013, now Pat. No. 8,542,111, which is a continuation of application No. 13/328,095, filed on Dec. 16, 2011, which is a continuation of application No. 12/538,603, filed on Aug. 10, 2009, now Pat. No. 8,094,010, which is a continuation of application No. 11/329,212, filed on Jan. 10, 2006, now Pat. No. 7,583,197, which is a continuation of application No. 10/296,571, filed as application No. PCT/EP01/05738 on May 18, 2001, now abandoned.

(30) **Foreign Application Priority Data**

May 23, 2000 (FI) ..... 20001239

(51) **Int. Cl.**  
**H04M 3/00** (2006.01)  
**H04Q 1/30** (2006.01)  
**G08B 1/08** (2006.01)

(52) **U.S. Cl.**  
USPC ..... **340/539.12; 340/573.4; 340/693.5;**  
**340/7.33; 340/7.52**

(58) **Field of Classification Search**

CPC ..... H04M 3/00; H04Q 7/20; G08B 1/08;  
H04Q 1/30

USPC ..... 340/7.29, 7.33, 7.52, 529.12, 573.4,  
340/693.5; 455/456, 456.2, 418, 419, 425;  
379/142, 373, 375

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,465,904 A 8/1984 Gottsegen et al. .... 179/5 R  
4,658,096 A 4/1987 West, Jr. et al. .... 379/59

(Continued)

FOREIGN PATENT DOCUMENTS

CA 2 293 393 A1 12/1998 ..... H04Q 7/32  
DE 196 25 581 A1 12/1997 ..... G08B 25/10

(Continued)

OTHER PUBLICATIONS

European Telecommunications Standards Institute (ETSI), *Digital cellular telecommunications system (Phase 2+)*; Network architecture (GSM 03.02, version 5.0.0), TS/SMG-030302Q, 20 pages (Mar. 1996).

(Continued)

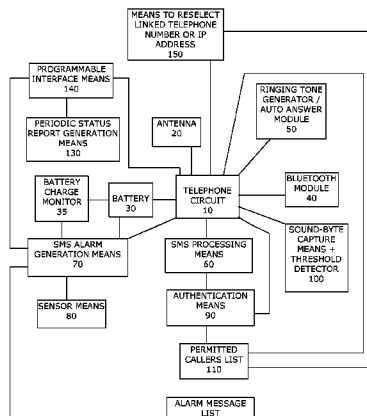
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(57) **ABSTRACT**

A programmable communicator device is disclosed having a wireless communications circuit, including an antenna, configured to receive a transmission, and an identity module having a unique identifier. The programmable communicator further includes a processing module including program code configured to determine if the transmission is from an authenticated caller by determining whether a received transmission contains the unique identifier, and memory configured to store telephone numbers or IP addresses received in transmissions from an authenticated caller.

**30 Claims, 3 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

4,855,713 A 8/1989 Brunius ..... 340/506  
 4,908,853 A 3/1990 Matsumoto ..... 379/355  
 4,951,029 A 8/1990 Severson ..... 340/506  
 5,012,234 A 4/1991 Dulaney et al. .... 340/825.44  
 5,276,729 A 1/1994 Higuchi et al. .... 379/58  
 5,293,418 A 3/1994 Fukawa ..... 379/58  
 5,348,008 A 9/1994 Bornn et al. .... 128/642  
 5,381,138 A 1/1995 Stair et al. .... 340/825.44  
 5,396,264 A 3/1995 Falcone et al. .... 345/146  
 5,544,661 A 8/1996 Davis et al. .... 128/700  
 5,548,271 A 8/1996 Tsuchiyama et al. .... 340/311.1  
 5,581,599 A 12/1996 Tsuji et al. .... 379/63  
 5,581,803 A 12/1996 Grube et al. .... 455/54.1  
 5,623,533 A 4/1997 Kikuchi et al. .... 379/58  
 5,689,442 A 11/1997 Swanson et al. .... 364/550  
 5,689,563 A 11/1997 Brown et al. .... 380/23  
 5,742,233 A 4/1998 Hoffman et al. .... 340/573  
 5,742,666 A 4/1998 Alpert ..... 379/58  
 5,745,049 A 4/1998 Akiyama et al. .... 340/870.17  
 5,752,976 A 5/1998 Duffin et al. .... 607/32  
 5,771,455 A 6/1998 Kennedy, III et al. .... 455/456  
 5,774,804 A 6/1998 Williams ..... 455/419  
 5,802,460 A 9/1998 Parvulescu et al. .... 455/92  
 5,831,545 A 11/1998 Murray et al. .... 340/825.49  
 5,878,339 A 3/1999 Zicker et al. .... 455/419  
 5,884,161 A 3/1999 Hegeman ..... 455/414  
 5,903,634 A 5/1999 Wakabayashi et al. .... 379/127  
 5,940,752 A 8/1999 Henrick ..... 455/419  
 5,946,636 A 8/1999 Uyeno et al. .... 455/566  
 5,948,064 A 9/1999 Bertram et al. .... 709/225  
 5,960,366 A 9/1999 Duwaer ..... 455/556  
 5,974,312 A 10/1999 Hayes, Jr. et al. .... 455/419  
 5,995,603 A 11/1999 Anderson ..... 379/142  
 5,997,476 A 12/1999 Brown ..... 600/300  
 5,999,990 A 12/1999 Sharrit et al. .... 710/8  
 6,026,293 A 2/2000 Osborn ..... 455/411  
 6,031,828 A 2/2000 Koro et al. .... 370/336  
 6,038,491 A 3/2000 McGarry et al. .... 700/231  
 6,041,229 A 3/2000 Turner ..... 455/420  
 6,072,396 A 6/2000 Gaukel ..... 340/573.4  
 6,075,451 A 6/2000 Lebowitz et al. .... 340/825.06  
 6,078,948 A 6/2000 Podgorny et al. .... 709/204  
 6,108,521 A 8/2000 Foladore et al. .... 455/31.3  
 6,125,273 A 9/2000 Yamagishi ..... 455/411  
 6,144,859 A 11/2000 LaDue ..... 455/511  
 6,148,197 A 11/2000 Bridges et al. .... 455/432  
 6,157,318 A 12/2000 Minata ..... 340/825.44  
 6,172,616 B1 1/2001 Johnson et al. .... 340/870.12  
 6,198,390 B1 3/2001 Schlager et al. .... 340/540  
 6,208,039 B1 3/2001 Mendelsohn et al. .... 307/52  
 6,208,839 B1 3/2001 Davani ..... 455/31.3  
 6,208,854 B1 3/2001 Roberts et al. .... 455/417  
 6,215,994 B1 4/2001 Schmidt et al. .... 455/419  
 6,230,002 B1 5/2001 Flodén et al. .... 455/411  
 6,275,143 B1 8/2001 Stobbe ..... 340/10.34  
 6,288,641 B1 9/2001 Casais ..... 340/539  
 6,289,084 B1 9/2001 Bushnell ..... 379/67.1  
 6,295,449 B1 9/2001 Westerlage et al. .... 455/422  
 6,308,083 B2 10/2001 King ..... 455/556  
 6,314,270 B1 11/2001 Uchida ..... 455/67.1  
 6,377,161 B1 4/2002 Gromelski et al. .... 340/7.45  
 6,411,198 B1 6/2002 Hirai et al. .... 340/7.6  
 6,424,623 B1 7/2002 Borgstahl et al. .... 370/230  
 6,442,432 B2 8/2002 Lee ..... 607/59  
 6,487,478 B1 11/2002 Azzaro et al. .... 701/24  
 6,496,777 B2 12/2002 Tennison et al. .... 701/213  
 6,519,242 B1 2/2003 Emery et al. .... 370/338  
 6,553,418 B1 4/2003 Collins et al. .... 709/224  
 6,567,671 B2 5/2003 Amin ..... 455/550  
 6,573,825 B1 6/2003 Okano ..... 340/7.51  
 6,577,881 B1 6/2003 Ehara ..... 455/563  
 6,606,508 B2 8/2003 Becker et al. .... 455/567  
 6,611,755 B1 8/2003 Coffee et al. .... 701/213

6,759,956 B2 7/2004 Menard et al. .... 340/539.19  
 6,832,102 B2 12/2004 I'Anson ..... 455/556.1  
 6,833,787 B1 12/2004 Levi ..... 340/539.13  
 6,873,842 B2 3/2005 Elayda et al. .... 455/418  
 6,900,737 B1 5/2005 Ardalan et al. .... 340/870.02  
 6,922,547 B2 7/2005 O'Neill et al. .... 455/17  
 6,970,917 B1 11/2005 Kushwaha et al. .... 709/217  
 6,985,742 B1 1/2006 Giniger et al. .... 455/456.1  
 6,988,989 B2 1/2006 Weiner et al. .... 600/300  
 7,027,808 B2 4/2006 Wesby ..... 455/419  
 7,084,771 B2 8/2006 Gonzalez ..... 340/573.1  
 7,254,601 B2 8/2007 Baller et al. .... 709/200  
 7,558,564 B2 7/2009 Wesby ..... 455/419  
 7,583,197 B2 9/2009 Wesby Van Swaay ..... 340/573.4  
 7,599,681 B2 10/2009 Link, II et al. .... 455/411  
 8,094,010 B2 1/2012 Wesby-Van Swaay .. 340/539.12  
 2001/0001234 A1 5/2001 Addy et al. .... 340/531  
 2002/0046353 A1 4/2002 Kishimoto ..... 713/202  
 2002/0080938 A1 6/2002 Alexander, III et al. . 379/106.01  
 2002/0198997 A1 12/2002 Linthicum et al. .... 709/227  
 2003/0176952 A1 9/2003 Collins et al. .... 700/286  
 2010/0035580 A1 2/2010 Wesby-Van Swaay ..... 455/411  
 2012/0088474 A1 4/2012 Wesby-Van Swaay ..... 455/411

FOREIGN PATENT DOCUMENTS

DE 197 07 681 C1 5/1998 ..... H04M 1/00  
 EP 0 432 746 A2 6/1991 ..... H04M 1/57  
 EP 0 524 652 A2 1/1993 ..... H04M 1/274  
 EP 0 772 336 A2 5/1997 ..... H04M 9/00  
 EP 0 996 302 A1 4/2000 ..... H04Q 7/32  
 EP 1 013 055 B1 4/2005 ..... H04M 1/72  
 JP 07-087211 A 3/1995 ..... H04M 11/00  
 JP 09-64950 A 3/1997 ..... H04M 1/02  
 JP 2000-115859 A 4/2000 ..... H04Q 7/38  
 JP 2000-135384 A 5/2000 ..... A63H 3/33  
 JP 2001-177668 A 6/2001 ..... H04M 11/00  
 JP 2001-249860 A 9/2001 ..... G06F 13/00  
 JP 2002-077438 A 3/2002 ..... H04M 11/00  
 WO WO 95/05609 A2 2/1995 ..... G01R 27/14  
 WO WO 97/23104 A1 6/1997 ..... H04Q 7/22  
 WO WO 98/51059 A2 11/1998 ..... H04M 1/72  
 WO WO 98/56197 A1 12/1998 ..... H04Q 7/22  
 WO WO 99/13629 A1 3/1999 ..... H04M 1/72  
 WO WO 99/34339 A2 7/1999 .....  
 WO WO 99/49680 A1 9/1999 ..... H04Q 7/22  
 WO WO 99/56262 A1 11/1999 ..... G08B 21/100  
 WO WO 00/18175 A2 3/2000 ..... H04Q 9/00  
 WO WO 00/56016 A1 9/2000 ..... H04L 12/28  
 WO WO 00/70889 A1 11/2000 ..... H04Q 7/08  
 WO WO 01/03414 A1 1/2001 ..... H04M 11/00

OTHER PUBLICATIONS

European Telecommunications Standards Institute (ETSI), *Digital cellular telecommunications system (Phase 2+); Specification of the Subscriber Identity Module—Mobile Equipment (SIM—ME) interface* (GSM 11.11, version 5.3.0), TS/SMG-091111QR1, 113 pages (Jul. 1996).  
 European Telecommunications Standards Institute (ETSI) *Digital cellular telecommunications system (Phase 2+); Specification of the SIM Application Toolkit for the Subscriber Identity Module—Mobile Equipment (SIM—ME) interface* (GSM 11.14, version 5.1.0), TS/SMG-091114Q, 54 pages (Aug. 1996).  
 European Telecommunications Standards Institute (ETSI), *Digital cellular telecommunications system (Phase 2+); Specification of the SIM Application Toolkit for the Subscriber Identity Module—Mobile Equipment (SIM—ME) interface.*, GSM 11.14, version 5.4.0), TS/SMG-091114Q, 56 pages (Jul. 1997).  
 ETSI European Telecommunications Standards Institute (ETSI), *Digital cellular telecommunications system (Phase 2+); AT command set for GSM Mobile Equipment (ME)* (GSM 07.07, version 5.5.0), RE/SMG-040707QR3, 97 pages (Feb. 1998).  
 European Telecommunications Standards Institute (ETSI), *Digital*

(56)

## References Cited

## OTHER PUBLICATIONS

- face (GSM 11.11, version 7.2.0, Release 1998), SMG version only, not for publication, 133 pages (Mar. 1999).
- European Telecommunications Standards Institute (ETSI), *Digital cellular telecommunications system (Phase 2+); Use of Data Terminal Equipment—Data Circuit terminating; Equipment (DTE—DCE) interface for Short Message Service (SMS) and Cell Broadcast Service (CBS)* (GSM 07.05, version 7.0.0, Release 1998), Available SMG only, 66 pages (Mar. 1999).
- European Telecommunications Standards Institute (ETSI), *Digital cellular telecommunications system (Phase 2+); Specification of the Subscriber Identity Module—Mobile Equipment (SIM—ME) interface*, (GSM 11.11, version 7.4.0, Release 1998), 134 pages (Dec. 1999).
- European Telecommunications Standards Institute (ETSI), *Digital cellular telecommunications system (Phase 2+); Specification of the SIM application toolkit for the Subscriber Identity Module—Mobile Equipment (SIM—ME) interface* (GSM 11.14, version 62.0, Release 1997), 82 pages (Nov. 1998).
- GEMPLUS, *Gemplus' start SIM card for advanced GSM services*, Microprocessor Cards, GemXplore98 Product Sheet, 2 pages (May 1999).
- Novatel Wireless, *Novatel CDPD (Cellular Digital Packet Data) Software*, 42 pages (1999).
- Phonetics, Inc., *Sensaphone 2000 User's Manual*, Version 3.0, 118 pages (Jan. 1998).
- Phonetics, Inc., *Sensaphone 1104, Sensaphone 1108 Potential Disasters*, Science/Health/Labs archived website page (<http://www.sensaphone.com/pages/HealthPage.html>), 2 pages (Dec. 1998).
- Siemens, *Siemens Private Communication Systems, Technical Description of the Siemens A1*, Edition 5, 53 pages (Jan. 1998).
- Siemens, *Siemens GSM Module M1 User Guide*, 76 pages (1996).
- Siemens, *Cellular Engine Siemens M20 /M20 Terminal, Technical Description*, Version 4, 198 pages (Dec. 1998).
- Siemens, *Cellular Engine Siemens M20 /M20 Terminal, Technical Description*, Version 5, 209 pages (Mar. 1999).
- Siemens, *Cellular Engine Siemens M20 /M20 Terminal, Technical Description*, Version 7, 221 pages (Oct. 1999).
- Sierra Wireless, *Dart 200 CDPD Modem, for CDPD Versions 1.0 and 1.1, User's Guide*, 206 pages (Jan. 1998).
- Sine Systems, Inc., *Model RFC-1/B, Remote Facilities Controller, archived website page* (<http://www.sinesys.com/html/rfcl.html>), 4 Pages (Feb. 1998).
- Sine Systems, Inc., *Remote Facilities Controller, Model RFC-1/B, Relay Panel, Model RP-8, Installation and Operation*, 97 pages (1999).
- Sine Systems, Inc., *Model RFC-1/B Remote Facilities Controller: Dial-up/Automated Transmitter Control System*, Press Release, 2 pages (Jul. 1999).
- Telital, *GSM Datablock Product Specification*, Revision 2, 30 pages (Nov. 1997).
- Telital, Technologies archived website page (<http://www.telital.com/technologE.html>), 2 pages (Apr. 2000).
- Telital Automotive, *Telital Automotive GM360, Technical Specification*, 36 pages (Feb. 1999).
- Telital Automotive, *Telefono GSM Datablock II con funzioni Voce/Dati/Fax/SMS*, 91 pages (Feb. 1999).
- Telular Corporation, *Annual Report*, 48 pages (1998).
- WAVECOM, *Wavecom GSM Modem*, Wavecom WM01-G900, Version 7.3, Reference WCOM/GSM/WMO1-G900/modATcmd, 67 pages (Dec. 1997).
- WAVECOM, *WISMO Wireless Standard Module, WM1B-G1900 PCS Module Specifications driven by AT commands*, Version 1.2, Reference WCOM/PCS/8001 45 pages (Sep. 1998).
- WAVECOM, *WM02 Modem Series GSM 900 /1800 /1900 User Manual*, 23 pages (Apr. 1999).
- WAVECOM, *WISMO Wireless Standard Module, WM2C-G900/*
- Azzaro et al., U.S. Appl. No. 60/162,249, dated Oct. 28, 1999 (21 pages).
- 3GPP (3<sup>rd</sup> Generation Partnership Project), *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Terminals; Characteristics of the USIM Application* (3G TS 31.102, version 3.0.), 104 pages (Jan. 2000).
- 3GPP (3<sup>rd</sup> Generation Partnership Project), *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Terminals; AT command set for 3GPP User Equipment (UE)* (3G TS 27.007, version 3.4.0, Release 1999), 154 pages (Mar. 2000).
- 3GPP (3<sup>rd</sup> Generation Partnership Project), *3<sup>rd</sup> Generation Partnership Project; Technical Specification Group Terminals; USIM Application Toolkit (USAT)* (3G TS 31.111, version 3.0.0, Release 1999), 138 pages (Apr. 2000).
- Akselsen et al., *Telemedicine and ISD*, IEEE Communications Magazine, pp. 46-51 (Jan. 1993).
- Bettstetter et al., *GSM Phase 2+ General Packet Radio Service GPRS: Architecture, Protocols, and Air Interface*, IEEE Communications Surveys, <http://www.comsoc.org/pubs/surveys>, vol. 2, No. 3, pp. 2-14 (1999).
- Bult et al., *Low Power Systems for Wireless Microsensors*, UCLA Electrical Engineering Department, Los Angeles, CA and Rockwell Science Center, Thousand Oaks, CA, 5 pages (1996).
- Carman et al / NAI Labs, *A Communications Security Architecture and Cryptographic Mechanisms for Distributed Sensor Networks*, DARPA/IITO Sensor IT Workshop, 24 pages (Oct. 1999).
- Chandrakasan et al., *Design Considerations for Distributed Microsensor Systems*, Department of EECS, Massachusetts Institute of Technology, Cambridge, MA, IEEE 1999, Custom Intergrated Circuits Conference, 8 Pages (1999).
- Godfrey, *A Comparison of Security Protocols in a Wireless Network Environment*, A thesis presented to the University of Waterloo, Ontario, Canada, 87 pages (1995).
- Hodes et al., *Composable ad hoc location-based services for heterogeneous mobile clients*, Wireless Networks 5, pp. 411-427 (1999).
- Istebanian et al., *Design of mobile telemedicine systems using GSM and IS-54 cellular telephone standards*, Journal of Telemedicine and Telecare, vol. 4, Supplement 1, pp. 80-82 (1999).
- Istebanian, *Modelling of GSM-based Mobile Telemedical System*, Proceedings of the 20<sup>th</sup> Annual International Conference of the IEEE Engineering in Medicine and Biology Society, vol. 20, No. 3, pp. 1166-1169 (1998).
- Kahn et al., *Next Century Challenges: Mobile Networking for "Smart Dust"*, Department of Electrical Engineering and Computer Science, 8 pages (1999).
- Miles, *System Monitoring, Messaging and Notification*, Proceedings of SAGE-AU, 15 pages (Jun. 1999).
- Pavlopoulos et al., *A Novel Emergency Telemedicine System Based on Wireless Communication Technology—"Ambulance"*, IEEE Transactions on Information in Biomedicine, vol. 2, No. 4, pp. 261-267 (1998).
- Prasad et al., *Security Architecture for Wireless LANs: Corporate & Public Environment*, IEEE VTC, pp. 283-287 (2000).
- Redl et al., *GSM and Personal Communications Handbook*, ISBN 0-89006-957-3, 80 pages (1998).
- Schlumberger, *Schlumberger Java SIMs and Over-the-Air Server Allow Sunday to Evolve Phones Into Multi-Service Terminals*, 3 pages (Jul. 1999).
- Steiner et al., *Kerberos: An Authentication Service for Open Network Systems*, Project Athena, Massachusetts Institute of Technology, 15 pages (1988).
- Taylor et al., *Internetwork Mobility: The CDPD Approach*, 334 pages (Jun. 1996).
- Wu et al., *A Mobile System for Real-Time Patient-Monitoring with Integrated Physiological Signal Processing*, Proceedings of the First Joint BMES/EMBS Conference Serving Humanity, Advancing Technology, Atlanta, GA (Oct. 1999).
- U.S.D.C. for the District of Delaware, Defendant's Initial Invalidity Contentions, including Appendix A-Z, AA and DD, 1046 pages (served on Mar. 8, 2013).

(56)

**References Cited**

## OTHER PUBLICATIONS

U.S.D.C. for the District of Delaware, Appendices DD-EE for Defendant's Kowatec's Initial Invalidity Contentions, 126 pages (served on Apr. 15, 2013).

U.S.D.C. for the District of Delaware, Defendant's Answering Brief, 39 pages (served on Jun. 21, 2013).

*M2M Solutions LLC et al. v. SimCom Wireless Solutions Co., Ltd. et al.*, U.S.D.C. for the District of Delaware—Civil Action No. 12-030-RGA, *Defendants' First Supplemental Invalidity Contentions*, served Jul. 5, 2013 (9 pages).

*M2M Solutions LLC et al. v. SimCom Wireless Solutions Co., Ltd. et al.*, U.S.D.C. for the District of Delaware—Civil Action No. 12-030-RGA, Appendices A-Z and AA: *Defendants' First Supplemental Invalidity Contentions*, served Jul. 5, 2013 (1084 pages).

*M2M Solutions LLC et al. v. SimCom Wireless Solutions Co., Ltd. et al.*, U.S.D.C. for the District of Delaware—Civil Action No. 12-030-RGA, *Defendants' Sur-Reply Brief on Claim Construction*, served Jul. 26, 2013 (19 pages).

*M2M Solutions LLC v. Sierra Wireless America, Inc. and Sierra Wireless, Inc. et al.*, U.S.D.C. for the District of Delaware—Civil Action No. 12-030-RGA, *Memorandum Opinion*, served on Nov. 12, 2013 (20 pages).

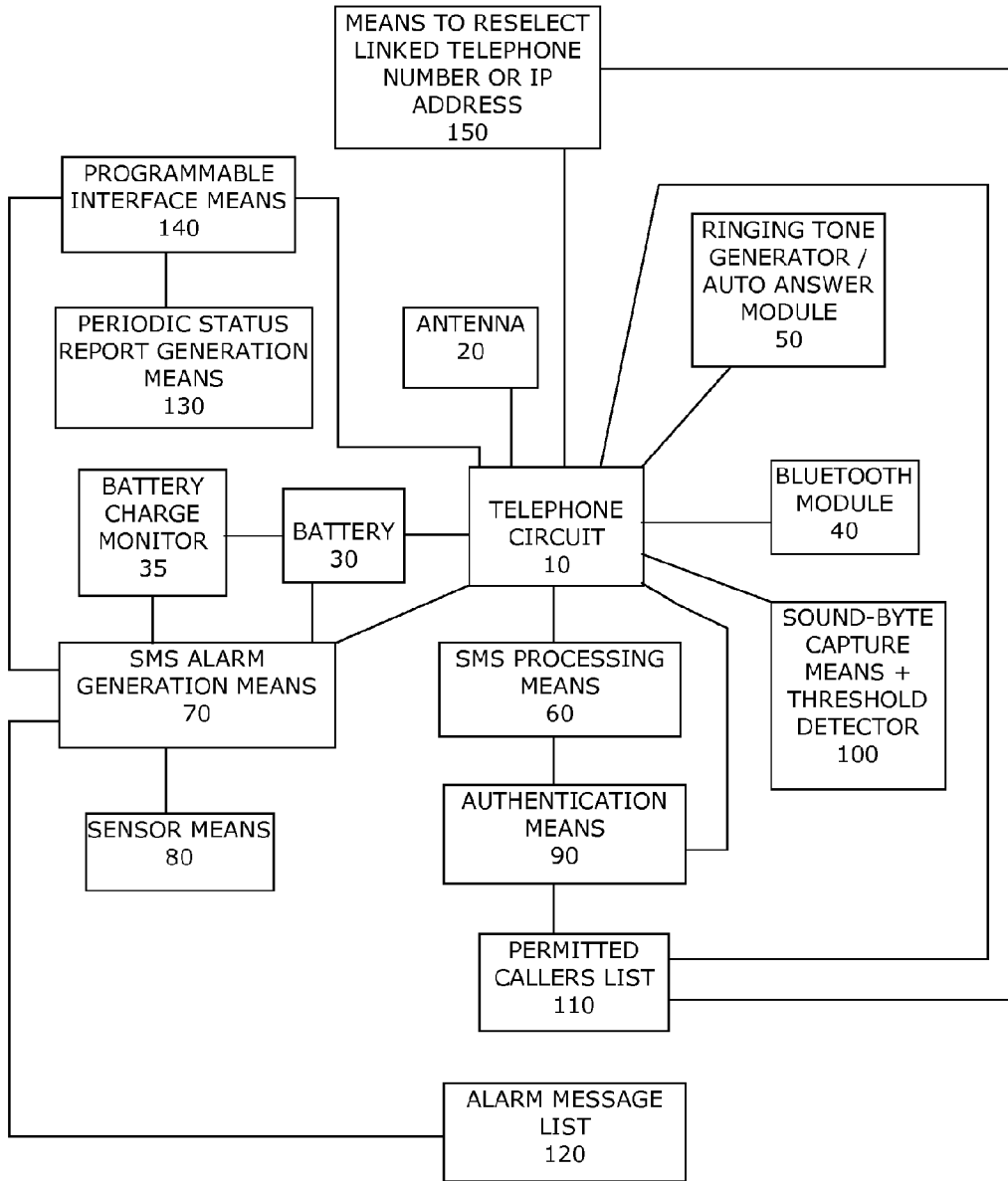


Fig. 1

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