

Title (en)
Wireless system with digital transmission for loudspeakers

Title (de)
Drahtloses System mit digitaler Übertragung für Lautsprecher

Title (fr)
Système sans fil à transmission numérique pour haut-parleurs

Publication
EP 0909112 B1 20040107 (FR)

Application
EP 98402266 A 19980915

Priority
FR 9712007 A 19970926

Abstract (en)
[origin: EP0909112A1] A digital audio signal is compressed, converted to serial, passed to a quadrature phase modulator (101) and transmitted to a receiver (RX), attached to a loudspeaker (HP). Serial conversion adds protocol information, destination address, loudspeaker control information, and encryption key. The receiver checks the packet address and carries out decryption if it matches its own.

IPC 1-7
H04R 5/04; **H04B 3/54**

IPC 8 full level
H04H 20/84 (2008.01); **H04R 5/04** (2006.01); **H04R 27/00** (2006.01)

CPC (source: EP US)
H04R 3/12 (2013.01 - US); **H04R 5/04** (2013.01 - EP US); **H04R 27/00** (2013.01 - EP US); **H04R 2420/07** (2013.01 - EP US)

Cited by
KR100921840B1; US8442019B2; US10013381B2; US7468934B1; US7171156B2; US7660601B2; WO0131806A1; WO03017275A3; WO0219328A3; WO03013041A3; US7652844B2; US8184400B2; US7474677B2; US9836273B2; US7768234B2; US7786705B2; US7525289B2; US9274576B2; US7904579B2; US8078751B2; US9628545B2; US7920824B2; US10172035B2; US10631201B2

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
FR 2769165 A1 19990402; **FR 2769165 B1 20021129**; AT E257636 T1 20040115; CA 2249071 A1 19990326; CA 2249071 C 20080610; DE 69820947 D1 20040212; DE 69820947 T2 20041223; EP 0909112 A1 19990414; EP 0909112 B1 20040107; ES 2213885 T3 20040901; JP 2008072752 A 20080327; JP 2011109718 A 20110602; JP H11163813 A 19990618; US 2005111671 A1 20050526; US 2007160224 A1 20070712; US 2013094662 A1 20130418; US 7206417 B2 20070417; US 8428273 B2 20130423; US 9313574 B2 20160412

DOCDB simple family (application)
FR 9712007 A 19970926; AT 98402266 T 19980915; CA 2249071 A 19980923; DE 69820947 T 19980915; EP 98402266 A 19980915; ES 98402266 T 19980915; JP 2007286008 A 20071102; JP 2011039504 A 20110225; JP 27223698 A 19980925; US 201213692253 A 20121203; US 2339004 A 20041229; US 71486807 A 20070307