

Title (en)  
HEARING AID DEVICE WITH WIRELESS REMOTE CONTROL

Publication  
**EP 0340594 B1 19930623 (DE)**

Application  
**EP 89107384 A 19890424**

Priority  
DE 3815598 A 19880506

Abstract (en)  
[origin: EP0340594A1] To improve the transmission of the control signals and provide the possibility for a more inconspicuous application of the remote control, it is proposed to provide as transmitter of the control device (1) a vibrator (9) which radiates a remote control frequency outside the human range of hearing, that the sound of the transmitter can be transmitted by transcutaneous coupling of a contact area (10) of the control device via body sound excitation to the skeleton of the hearing aid wearer, and that in the hearing aid a sound transducer (28; 33; 48) is provided which converts the body-transmitted sound signals of the control device into electrical signals and is connected to the control elements of the hearing aid via an amplifier and a coding and detection unit. <IMAGE>

IPC 1-7  
**H04R 25/00**

IPC 8 full level  
**H04Q 9/00** (2006.01); **H04R 25/00** (2006.01); **H04R 25/02** (2006.01)

CPC (source: EP US)  
**H04R 25/558** (2013.01 - EP US); **H04R 25/606** (2013.01 - EP US); **H04R 2225/61** (2013.01 - EP US); **H04R 2225/67** (2013.01 - EP US)

Cited by  
EP1619927A3; GB2358101A; EP0831674A3; EP0983711A4; EP2648423A3; GB2363542A; EP1624720A3; EP2269387A4; US8542857B2; WO2009112898A3; WO0047017A3; WO9607295A1; US6390971B1; US8737649B2; WO2009112898A2; US7652628B2; US9420386B2; EP2040490B2

Designated contracting state (EPC)  
AT CH DE FR GB IT LI NL

DOCDB simple family (publication)  
**EP 0340594 A1 19891108; EP 0340594 B1 19930623**; AT E91057 T1 19930715; DE 58904772 D1 19930729; DE 8816422 U1 19890810; JP H01318500 A 19891222; US 5012520 A 19910430

DOCDB simple family (application)  
**EP 89107384 A 19890424**; AT 89107384 T 19890424; DE 58904772 T 19890424; DE 8816422 U 19880506; JP 11399589 A 19890501; US 34287089 A 19890425