

Title (en)  
Hearing aid

Title (de)  
Hörgerät

Title (fr)  
Appareil auditif

Publication  
**EP 1843632 A3 20091223 (DE)**

Application  
**EP 07105065 A 20070328**

Priority  
DE 102006016440 A 20060407

Abstract (en)  
[origin: EP1843632A2] The aid has a mixer (15) provided with nonlinear characteristics and transposed in a frequency range above an audio frequency range. An oscillator (13) produces a carrier wave that is supplied to a sound emitter (4'), where a signaling rate reduced by reflection and scattering on the sound emitter from a microphone (3') is highly different due to original sound signal. The sound signal converted into an electrical signal is processed and is not supplied to the sound emitter.

IPC 8 full level  
**H04R 25/00** (2006.01)

CPC (source: EP US)  
**H04R 25/453** (2013.01 - EP US); **H04R 25/75** (2013.01 - EP US)

Citation (search report)

- [XY] WO 9802978 A1 19980122 - AMERICAN TECH CORP [US]
- [Y] WO 2004017675 A1 20040226 - CHOY DANIEL [US]
- [A] US 2003039370 A1 20030227 - NORRIS ELWOOD G [US]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1843632 A2 20071010; EP 1843632 A3 20091223**; DE 102006016440 A1 20071011; US 2007237347 A1 20071011

DOCDB simple family (application)  
**EP 07105065 A 20070328**; DE 102006016440 A 20060407; US 78427407 A 20070406