

Title (en)
Digital hearing aid system

Title (de)
Digitales Hörgerätsystem

Title (fr)
Système digital de prothèse auditive

Publication
EP 0823829 A2 19980211 (EN)

Application
EP 97305981 A 19970806

Priority
US 69102896 A 19960807

Abstract (en)
A hearing aid (12,14), having alterable parameters, includes analog-to-digital input circuitry (30) for forming a digital signal representative of an incident acoustic wave. A digital signal processor (32), coupled to said input circuitry (30), forms and processes, at a first rate, first and second frequency distinguishable data streams representative, at least in part, of the digital signal. A control unit (34) coupled to said processor (32) includes circuitry for logarithmically processing at least one of the digital data streams, at a reduced rate which is less than the first rate. A parameter value storage memory (34b) is coupled to the unit (34), and an interface (38) is provided for accessing the memory (34b) and altering parametric values stored therein. <IMAGE>

IPC 1-7
H04R 25/00

IPC 8 full level
G11C 27/00 (2006.01); **G10L 19/00** (2013.01); **G10L 21/0364** (2013.01); **H04R 3/00** (2006.01); **H04R 25/00** (2006.01)

CPC (source: EP)
H04R 25/554 (2013.01); **H04R 25/558** (2013.01); **H04R 25/70** (2013.01); **H04R 25/552** (2013.01); **H04R 2225/43** (2013.01); **H04R 2225/51** (2013.01)

Cited by
EP1196006A3; DE102005016017A1; EP1118249A4; EP1250026A1; CN103491491A; CN101611637A; CN105072552A; EP2190217A1; EP1538873A3; CN101917658A; EP2442590A3; EP1694095A3; DE102007018121A1; EP1983800A3; DE102007018121B4; US6240193B1; WO2008074323A3; WO0016589A1; WO2013001508A3; WO2005107319A1; WO0135695A3; US6757395B1; US6574342B1; US6480610B1; US7020297B2; US8224004B2; US10225667B2; US8165329B2; US8532318B2; US6313773B1; US11602632B2; EP1410684B1; US7433480B2; US6408318B1; US8520881B2; US8638962B2; US8842863B2; US8107657B2; US8855324B2

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