

Title (en)  
Digital hearing aid system

Title (de)  
Digitales Hörgerätsystem

Title (fr)  
Système digital de prothèse auditive

Publication  
**EP 0823829 A3 20000126 (EN)**

Application  
**EP 97305981 A 19970806**

Priority  
US 69102896 A 19960807

Abstract (en)  
[origin: EP0823829A2] 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  
**G10L 19/00** (2013.01); **G10L 21/0364** (2013.01); **G11C 27/00** (2006.01); **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)

Citation (search report)

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**EP 97305981 A 19970806**; CA 2212131 A 19970731; JP 24587797 A 19970807