

Title (en)

Hearing-aid with display device and corresponding method of operation

Title (de)

Hörgerät mit Anzeigeeinrichtung und entsprechendes Betriebsverfahren

Title (fr)

Prothèse auditive avec dispositif d'affichage et procédé d'utilisation correspondant

Publication

EP 1596630 A3 20091111 (DE)

Application

EP 05103876 A 20050510

Priority

DE 102004023047 A 20040511

Abstract (en)

[origin: EP1596630A2] The aid has a housing (I), and a display device (A) that is formed as an electrophoretic display on the housing, where the display is flexible and thin. The display device is laid on the housing with a coating technology. The display is utilized to indicate charge status information of a battery of the aid. The display requires power only for the modification of the indicated information.

IPC 8 full level

H04R 25/00 (2006.01); **H04R 25/02** (2006.01)

CPC (source: EP US)

H04R 25/305 (2013.01 - EP US); **H04R 25/65** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0480097 A1 19920415 - SIEMENS AG [DE]
- [A] DE 10048338 A1 20020418 - SIEMENS AUDIOLOGISCHE TECHNIK [DE]
- [A] US 4821247 A 19890411 - GROOMS REGINALD M [US]
- [Y] NO AUTHOR NAME SUPPLIED IN SOURCE DATA: "ELECTROPHORETIC DISPLAYS INCORPORATING ELECTROLUMINESCENT, FLUORESCENT OR PHOSPHORESCENT MATERIALS", IP.COM JOURNAL, IP.COM INC., WEST HENRIETTA, NY, US, 28 April 2004 (2004-04-28), XP013020099, ISSN: 1533-0001
- [A] SATOSHI INOUE ET AL: "High-Resolution Microencapsulated Electrophoretic Display (EPD) Driven by Poly-Si TFTs With Four-Level Grayscale", IEEE TRANSACTIONS ON ELECTRON DEVICES, IEEE SERVICE CENTER, PISACATAWAY, NJ, US, vol. 49, no. 8, 1 August 2002 (2002-08-01), XP011072349, ISSN: 0018-9383

Cited by

WO2011110228A1; EP2269387B1

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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1596630 A2 20051116; EP 1596630 A3 20091111; DE 102004023047 B3 20051110; US 2005254677 A1 20051117

DOCDB simple family (application)

EP 05103876 A 20050510; DE 102004023047 A 20040511; US 12609505 A 20050510