

Title (en)

METHOD FOR MANUFACTURING A SUPPORTING FRAME OF A HEARING AID, SUPPORTING FRAME AND HEARING AID

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES TRAGRAHMENS EINES HÖRHILFEGERÄTS UND TRAGRAHMEN SOWIE HÖRHILFEGERÄT

Title (fr)

PROCÉDÉ DE FABRICATION D'UN CADRE DE SUPPORT D'UN APPAREIL D'AIDE AUDITIVE ET CADRE DE SUPPORT AINSI QU'APPAREIL D'AIDE AUDITIVE

Publication

EP 3396979 B1 20200212 (DE)

Application

EP 18163937 A 20180326

Priority

DE 102017207143 A 20170427

Abstract (en)

[origin: US2018317032A1] A method for producing a supporting frame includes providing two frame halves for receiving and holding electrical and electronic assemblies of a hearing aid including a transmitting and/or receiving unit for electromagnetic waves. An antenna element is integrated into at least one of the frame halves. The supporting frame is produced in a two-component injection-molding process with a first plastic material which is suitable for laser direct structuring and with an electrically non-conductive second plastic material which has an increased degree of mechanical stability in comparison to the first plastic material. A supporting frame of a hearing aid and a hearing aid having a supporting frame are also provided.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: CN EP US)

H04R 25/02 (2013.01 - US); **H04R 25/558** (2013.01 - EP US); **H04R 25/65** (2013.01 - CN); **H04R 25/658** (2013.01 - CN EP US); **H04R 31/003** (2013.01 - CN); **H01Q 1/273** (2013.01 - US); **H01Q 1/38** (2013.01 - US); **H04R 25/60** (2013.01 - CN EP US); **H04R 25/609** (2019.04 - CN EP US); **H04R 2225/021** (2013.01 - CN EP US); **H04R 2225/0213** (2019.04 - CN); **H04R 2225/51** (2013.01 - EP US); **H04R 2231/001** (2013.01 - CN)

Citation (opposition)

Opponent : GH Hearing A/S

- US 2017064467 A1 20170302 - FISCHER THOMAS [DE], et al
- US 2017055088 A1 20170223 - RABEL JAY [US], et al
- EP 2827613 A1 20150121 - STARKEY LAB INC [US]
- US 2015175803 A1 20150625 - STOPPELMANN GEORG [CH]
- WO 2015139749 A1 20150924 - SONOVA AG [CH]
- "Molded interconnect device", WIKIPEDIA, XP055754897, Retrieved from the Internet <URL:<https://en.wikipedia.org/wiki/Molded>>
- "Epoq product information", OTICON, pages 1 - 20

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3396979 A1 20181031; **EP 3396979 B1 20200212**; CN 108810790 A 20181113; DE 102017207143 A1 20181031; DK 3396979 T3 20200504; US 2018317032 A1 20181101

DOCDB simple family (application)

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