

Title (en)

System comprising an automated tool and appartaining method for hearing aid design

Title (de)

System mit einem automatisierten Werkzeug und dazugehöriges Verfahren zur Entwicklung von Hörhilfen

Title (fr)

Système comprenant un outil automatisé et une méthode adéquate pour un concept d'aide auditive

Publication

EP 2023662 A1 20090211 (EN)

Application

EP 07113608 A 20070801

Priority

EP 07113608 A 20070801

Abstract (en)

A system and appartaining method are provided for electronically detailing an impression of an ear canal of a patient. A digitized geometric model of the impression is created, and a software tool is utilized to determine a bony part or canal direction, as well as first and second bends of the impression. An aperture of the impression is determined, and a cutting plane through the aperture is calculated such that the normal vector through the aperture plane aligns with a normal vector of the second bend plane. On establishing this congruence, modeling parameters optimized for modeling wireless based hearing instruments are evoked to optimized and automate design. This calculation can then be utilized for either manual or automated shaping and cutting operations.

IPC 8 full level

H04R 25/00 (2006.01)

CPC (source: EP US)

H04R 25/658 (2013.01 - EP US); **H04R 25/652** (2013.01 - EP US); **H04R 2225/77** (2013.01 - EP)

Citation (search report)

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- [X] WO 0230157 A2 20020411 - RAINDROP GEOMAGIC INC [US], et al
- [A] WO 2006103236 A1 20061005 - SIEMENS AUDIOLOGISCHE TECHNIK [DE], et al

Cited by

US8494814B2; WO2011053537A1

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)

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