

Title (en)

METHOD AND SYSTEM FOR AIDING IN THE POSITIONING OF A MEDICAL INSTRUMENT ON THE HEAD OF A PATIENT

Title (de)

VERFAHREN UND SYSTEM ZUR UNTERSTÜTZUNG DER POSITIONIERUNG EINES MEDIZINISCHEN INSTRUMENTS AUF DEN KOPF EINES PATIENTEN

Title (fr)

PROCÉDÉ ET SYSTÈME D'AIDE AU POSITIONNEMENT D'UN OUTIL MÉDICAL SUR LA TÊTE D'UN SUJET

Publication

EP 2667779 A1 20131204 (FR)

Application

EP 12700997 A 20120125

Priority

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Abstract (en)

[origin: WO2012101160A1] The present invention relates to a system for aiding in the positioning of a medical instrument on the head of a patient, characterized in that it includes a means for predicting the location of a target intracranial area of the medical instrument, comprising: a generic three-dimensional model of a head comprising a skin and a generic target intracranial area (104), a three-dimensional working image of the skin of the head of the patient, surface registration means (46) suitable for establishing a resetting transfer from the skin of the generic model toward the working image of the skin of the head of the patient, a means (48) for resampling the generic target intracranial area into a target area converted in accordance with the resetting transfer, and a means for locating the target intracranial area of the patient from the locating of the converted target area, thereby enabling the positioning of the medical instrument on the head of the patient.

IPC 8 full level

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Citation (examination)

- WO 2008063494 A2 20080529 - UNIV VANDERBILT [US], et al
- WO 2007056601 A2 20070518 - UNIV CALIFORNIA [US], et al
- US 2005171558 A1 20050804 - ABOVITZ RONY A [US], et al
- WO 2006095027 A1 20060914 - BRACCO IMAGING SPA [IT], et al
- See also references of WO 2012101160A1

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DOCDB simple family (application)

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