

Title (en)
SELF-CALIBRATING SYSTEMS AND METHODS FOR LOCATING AND GUIDING OPERATIVE ELEMENTS WITHIN THE INTERIOR OF LIVING BODYS

Title (de)
SYSTEME MIT SELBSTKALIBRIERUNG SOWIE METHODEN ZUM LOKALISIEREN UND FÜHREN VON OPERATIVEN OBJEKTEN IM INNEREN VON LEBENDEN KÖRPERN

Title (fr)
SYSTEMES ET PROCEDE A AUTO-ETALONNAGE, POUR LOCALISER ET GUIDER DES ELEMENTS D'INTERVENTIONS MEDICALES A L'INTERIEUR DE CORPS VIVANTS

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EP 1069859 A1 20010124 (EN)

Application
EP 99917366 A 19990405

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Abstract (en)
[origin: WO9952430A1] Calibrated systems and methods locate a roving structure inside a body region. An electric field is established inside the body region between an electrical energy transmitting electrode and an electrical reference. A navigational output is derived for the roving structure based upon a function, which expresses a relationship between an electrical characteristic sensed at the roving structure and distance between the roving structure and the electrical energy transmitting electrode. First and second electrodes, spaced apart a known distance, are present in the electric field. The function is adjusted by comparing the known distance to at least one derived navigation output, which is derived, based upon the function, by sensing an electrical characteristic at the first and second electrodes.

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