

Title (en)
SYSTEM AND METHOD FOR GUIDING THE MOVEMENTS OF A DEVICE TO A TARGET PARTICULARLY FOR MEDICAL APPLICATIONS

Title (de)
SYSTEM UND VERFAHREN ZUM STEUERN DER BEWEGUNGEN EINER VORRICHTUNG IN RICHTUNG EINES ZIELS, INSBESONDERE BEI MEDIZINISCHEN ANWENDUNGEN

Title (fr)
SYSTEME ET METHODE DE GUIDAGE DES DEPLACEMENTS D'UN DISPOSITIF VERS UNE CIBLE, NOTAMMENT DANS DES APPLICATIONS MEDICALES

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Application
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Abstract (en)
[origin: WO9927837A2] A system and method for guiding the movements of a device to a target particularly for medical applications is provided. In one aspect of the invention, the system guides the movements of a device toward a target, which is viewable from an image. The system includes at least one scanning apparatus for creating the image including the target, at least one transmitter at a first reference location for transmitting radiant energy from the reference location, several position sensors and a data processor. The position sensors include at least one position sensor on the device for receiving the radiant energy, at least one position sensor on the scanning apparatus for receiving the radiant energy and at least one position sensor for receiving the radiant energy on either the device or the scanning apparatus. The data processor is in operative communication with the transmitter and each of the position sensors, for monitoring the accuracy of the calculated position of the device with respect to the scanning apparatus.

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Citation (search report)
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• [X] EP 0600610 A2 19940608 - CLEVELAND CLINIC FOUNDATION [US]
• [X] US 5676673 A 19971014 - FERRE MAURICE R [US], et al
• See references of WO 9927837A2

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