

Title (en)

GRAPHICAL USER INTERFACE FOR COMPUTER-ASSISTED SURGERY

Title (de)

GRAFISCHE BENUTZERSCHNITTSTELLE FÜR COMPUTERGESTÜTZTE CHIRURGIE

Title (fr)

INTERFACE GRAPHIQUE UTILISATEUR POUR CHIRURGIE ASSISTEE PAR ORDINATEUR

Publication

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Application

EP 05714512 A 20050224

Priority

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Abstract (en)

[origin: WO2005084570A1] A system and a method for performing a computer assisted surgery (CAS) uses an expert system driven graphical user interface (GUI) that displays a series of display pages that provide information related to respective steps required to perform the surgery. The system displays virtual images of surgical instruments used during the surgery, overlaid on fluoroscopic images of the implant site to assist the surgical team during instrument calibration, and implant preparation and installation. The GUI presents the surgical team with a succession of options that the surgical team responds to using affirmation and negation actions. These actions are associated with an icon presented in a same region of the display pages, and are annotated with text relevant to an immediately presented option, permitting a substantial portion of the CAS to be effected using a foot-operated input device.

IPC 8 full level

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