

Title (en)

METHOD AND APPARATUS FOR SURGICAL TRAINING

Title (de)

VERFAHREN UND VORRICHTUNG FÜR CHIRURGISCHES TRAINING

Title (fr)

PROCÉDÉ ET APPAREIL POUR LA FORMATION CHIRURGICALE

Publication

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Application

EP 10709575 A 20100225

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Abstract (en)

[origin: WO2010097771A2] The method for surgical training comprises the steps of introducing in a processing unit (2) clinical data obtained by one or more images detected through suitable medical instrumentation; processing the clinical data so as to obtain through a segmentation process a tridimensional anatomical model; assigning to the tridimensional anatomical model respective biomechanical properties so as to obtain a physical virtual model; prearranging virtual surgical instruments and respective force feedback control means, suitable to simulate and render the tactile perception of a physical interaction between the virtual surgical instruments and the physical anatomical model; simulating through the operation of the control means exploration procedures and/or surgical procedures on the physical anatomical model by means of the virtual surgical instruments.

IPC 8 full level

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