

Title (en)  
METHOD AND SYSTEM FOR SIMULATING MEDICAL PROCEDURES INCLUDING VIRTUAL REALITY AND CONTROL METHOD AND SYSTEM FOR USE THEREIN.

Title (de)  
METHODE UND SYSTEM ZUR SIMULATION MEDIZINISCHER VERFAHREN, EINSCHLIESSLICH VIRTUAL REALITY UND STEUERUNGSVERFAHREN UND -SYSTEM DAFÜR.

Title (fr)  
PROCEDE DE SIMULATION D'ACTES MEDICAUX Y COMPRIS PAR REALITE VIRTUELLE, ET METHODE DE CONTROLE ET SYSTEME ASSOCIES.

Publication  
**EP 0658265 A1 19950621 (EN)**

Application  
**EP 94922027 A 19940627**

Priority  
• US 9407218 W 19940627  
• US 8765393 A 19930706

Abstract (en)  
[origin: WO9502233A1] During an actual medical procedure, the actions of a medical instrument (16) are measured and recorded. These actions are generated on a member representative of the medical instrument to simulate the actual medical procedure. Forces acting upon the medical instrument (16) are sensed and simulated in the member using a force/tactile reflecting mechanism. The preferred embodiment uses virtual reality technology including image processing, three-dimensional graphics and display methods, simulated force/tactile reflection, head/hand movement, position sensing, and sound generation to provide an accurate simulation of endoscopic medical procedures.

IPC 1-7  
**G09B 23/28**; **A61B 1/00**; **A61B 19/00**

IPC 8 full level  
**A61B 1/313** (2006.01); **G06F 3/00** (2006.01); **G06F 3/01** (2006.01); **G09B 23/28** (2006.01)

CPC (source: EP)  
**A61B 1/313** (2013.01); **G06F 3/011** (2013.01); **G06F 3/016** (2013.01); **G09B 23/28** (2013.01)

Citation (search report)  
See references of WO 9502233A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9502233 A1 19950119**; AU 7251694 A 19950206; EP 0658265 A1 19950621

DOCDB simple family (application)  
**US 9407218 W 19940627**; AU 7251694 A 19940627; EP 94922027 A 19940627