

Title (en)

SYSTEM AND METHOD FOR VIRTUAL REALITY TRAINING FOR ODONTOLOGY

Title (de)

SYSTEM UND VERFAHREN DER VIRTUELLEN REALITÄT FÜR ZAHNHEILKUNDE

Title (fr)

SYSTEME ET PROCEDE D'APPRENTISSAGE EN REALITE VIRTUELLE POUR L'ODONTOLOGIE

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Application

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Abstract (en)

[origin: WO0182266A1] The invention concerns a system for virtual reality training, to acquire procedure movements in odontology, by sensing data concerning spatial position of a real hand-held element (2), three-dimensional representation of a virtual object (T) on a display screen (7), processing spatial position data for providing spatial display of a virtual instrument (OV) corresponding to the actual spatial position of said real element (2), supplying a virtual instrument (01-04) for operating on said virtual object (T) and modelling an interaction between said virtual instrument and said virtual object (T). The hand-held element (2) belongs to a haptic man-machine interface (IHM) comprising actuators controlled to supply the user holding in his hand said real element (2) with a force-feedback when the virtual instrument (OV) interacts with the virtual object (T). The invention is useful for pedagogical and professional purposes.

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