

Title (en)

METHOD FOR ALIGNING A 3D MODEL OF AN OBJECT WITH AN IMAGE COMPRISING AT LEAST A PORTION OF SAID OBJECT TO OBTAIN AN AUGMENTED REALITY

Title (de)

VERFAHREN ZUR AUSRICHTUNG EINES 3D-MODELLS EINES OBJEKTS MIT EINEM BILD MIT MINDESTENS EINEM TEIL DES OBJEKTS ZUR GEWINNUNG EINER ERWEITERTEN REALITÄT

Title (fr)

PROCÉDÉ D'ALIGNEMENT D'UN MODÈLE 3D D'UN OBJET AVEC UNE IMAGE COMPRENANT AU MOINS UNE PARTIE DUDIT OBJET POUR OBTENIR UNE RÉALITÉ AUGMENTÉE

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Application

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Abstract (en)

[origin: WO2022152778A2] The invention relates to a method for aligning a 3D model of an object with an image comprising at least a portion of said object, said method comprising the following steps: defining (12) a capture position of the image; displaying (15) the 3D model simulated from said capture position; identifying (16) remarkable edges in the 3D model, said remarkable edges having the same reference orientation; selecting (17) an edge among the identified remarkable edges from the displayed 3D model; displaying (18) the image captured by the camera; identifying (20) lines of interest in the image captured by the camera, said lines of interest having an orientation identical to said reference orientation; selecting (21) a line, among said lines of interest, corresponding to the selected edge; and aligning (22) and/or transforming the 3D model so that the selected edge matches with the selected line.

IPC 8 full level

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