

Title (en)

METHOD AND APPARATUS FOR DETERMINING ORIENTATION AND POSITION OF A MOVEABLE OBJECT

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG DER ORIENTIERUNG UND POSITION / LAGE EINES BEWEGLICHEN OBJEKTES

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE DETERMINER L'ORIENTATION ET LA POSITION D'UN OBJET MOBILE

Publication

EP 1587588 A2 20051026 (EN)

Application

EP 03813792 A 20031219

Priority

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Abstract (en)

[origin: WO2004056425A2] An orientation and position tracking system in three-dimensional space and over a period of time utilizing multiple inertial and other sensors for determining motion parameters to measure orientation and position of a moveable object. The sensors, for example vibrational and angular velocity sensors, generate signals characterizing the motion of the moveable object. The information is received by a data acquisition system and processed by a microcontroller. The data is then transmitted via wireless communication to an external data reception system (locally based or a global network). The information can then be displayed and presented to the user through a variety of means including audio, visual, and tactile.

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