Title (en)

METHOD AND APPARATUS FOR CALIBRATING THE ROTATIONAL RELATIONSHIP BETWEEN TWO MOTION SENSORS OF A SENSOR SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KALIBRIERUNG DES ROTATIONSVERHÄLTNISSES ZWISCHEN ZWEI BEWEGUNGSSENSOREN EINES SENSORSYSTEMS

Title (fr)

PROCEDE ET DISPOSITIF POUR L'ETALONNAGE DE RELATION DE ROTATION ENTRE DEUX CAPTEURS DE MOUVEMENT D'UN SYSTEME DE CAPTEURS

Publication

EP 1782076 A1 20070509 (EN)

Application

EP 05773403 A 20050810

Priority

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- CN 200410055499 A 20040817

Abstract (en)

[origin: WO2006018791A1] The present invention provides a method and apparatus for calibrating the rotational relationship between a first motion sensor and a second motion sensor in a sensor system, the method comprises the steps of: determining a minimal number of measurements based on the number of dimensions of the coordinate system of said first motion sensor and the number of dimensions of the coordinate system of said second motion sensor; measuring said sensor system for a specific number of measurements to obtain the output values of said first motion sensor and said second motion sensor during each of the measurements, said specific number of measurements is not less than said minimal number of measurements; and obtaining the rotational relationship between the first motion sensor and the second motion sensor based on said measured output values.

IPC 8 full level

G01P 21/00 (2006.01)

CPC (source: EP KR)

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Citation (search report)

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