

Title (en)

METHOD FOR DETECTING INFORMATION RELEVANT FOR THE CHARACTERIZATION OF JOINT MOVEMENTS

Title (de)

VERFAHREN ZUM ERMITTELN VON FÜR DIE CHARAKTERISIERUNG VON GELENKBEWEGUNGEN RELEVANTEN INFORMATIONEN

Title (fr)

PROCÉDÉ DE DÉTERMINATION D'INFORMATIONS IMPORTANTES POUR LA CARACTÉRISATION DE MOUVEMENTS ARTICULAIRES

Publication

**EP 2164393 A2 20100324 (DE)**

Application

**EP 08774805 A 20080704**

Priority

- EP 2008058729 W 20080704
- DE 102007031946 A 20070706
- DE 102007057012 A 20071123

Abstract (en)

[origin: WO2009007332A2] The present invention relates to a method for detecting information relevant for the characterization of joint movements, wherein markers mounted on both sides of a body joint are used for the analysis of joint movements and wherein the method comprises the following: Determination of a mean marker configuration and determination of time-dependent discrepancies from the mean configuration, wherein an orthogonal distance regression is carried out for the determination of a mean marker configuration and wherein markers mounted on each side of the body joint are used; carrying out of a weighted orthogonal distance regression with the use of the time-dependent discrepancies from the mean configuration for weighting, wherein markers mounted on each side of the body joint are used; and solution of a linear equalization problem with the use of information which has been determined by the carrying out of the weighted orthogonal distance regression.

IPC 8 full level

**A61B 5/11** (2006.01)

CPC (source: EP US)

**A61B 5/1121** (2013.01 - EP US); **A61B 5/1127** (2013.01 - EP US); **A61B 5/4528** (2013.01 - EP US); **A61B 5/4533** (2013.01 - EP US)

Citation (search report)

See references of WO 2009007332A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**WO 2009007332 A2 20090115**; **WO 2009007332 A3 20090514**; EP 2164393 A2 20100324; US 2011054851 A1 20110303

DOCDB simple family (application)

**EP 2008058729 W 20080704**; EP 08774805 A 20080704; US 45251808 A 20080704