

Title (en)
METHOD FOR VALIDATING THE MEASUREMENT SUPPLIED BY AN ACCELEROMETER IN A MOTOR VEHICLE AND USE FOR ESTIMATING SLOPE

Title (de)
VERFAHREN ZUR VALIDIERUNG DER MESSERGEBNISSE EINES BESCHLEUNIGUNGSMESSERS IN EINEM KRAFTFAHRZEUG UND DESSEN ANWENDUNG BEI DER STEIGUNGSSCHÄTZUNG

Title (fr)
PROCEDE DE VALIDATION DE LA MESURE FOURNIE PAR UN ACCELEROMETRE DANS UN VEHICULE AUTOMOBILE ET APPLICATION A L ESTIMATION DE LA PENTE

Publication
EP 1938111 A1 20080702 (FR)

Application
EP 06820280 A 20061011

Priority
• FR 2006051018 W 20061011
• FR 0553198 A 20051021

Abstract (en)
[origin: WO2007045787A1] The invention concerns a method for validating an acceleration measurement α_{mes} supplied by an accelerometer in a motor vehicle. The invention is characterized in that said method includes steps which consist in: measuring, in freewheel phase, an acceleration α_{mes} using said accelerometer, computing an acceleration α_m using a freewheeling vehicle model, computing a residual r defined as the difference between the measured acceleration α_{mes} and the computed acceleration α_m , comparing said residual r to a given threshold, validating the measured value α_{mes} in case of negative comparison.

IPC 8 full level
G01C 9/06 (2006.01); **G01P 21/00** (2006.01)

CPC (source: EP)
B60W 40/076 (2013.01); **G01C 9/00** (2013.01); **G01P 21/00** (2013.01); **B60W 2520/105** (2013.01); **B60W 2530/10** (2013.01)

Citation (search report)
See references of WO 2007045787A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2007045787 A1 20070426; WO 2007045787 A8 20070607; EP 1938111 A1 20080702; FR 2892520 A1 20070427; FR 2892520 B1 20080404

DOCDB simple family (application)
FR 2006051018 W 20061011; EP 06820280 A 20061011; FR 0553198 A 20051021