

Title (en)

Method for detecting harsh driving operations of a vehicle and system for monitoring the driving conditions of a vehicle

Title (de)

Verfahren zur Erfassung von schroffen Fahrbetrieb eines Fahrzeugs und ein System zur Überwachung der Fahrbedingungen eines Fahrzeugs

Title (fr)

Méthode pour détecter les opérations brusques de conduite d'un véhicule et un système pour surveiller les conditions de conduite d'un véhicule

Publication

EP 2469477 A1 20120627 (EN)

Application

EP 11195153 A 20111222

Priority

IT TO20101061 A 20101224

Abstract (en)

The invention describes a method for detecting harsh driving operations of a vehicle (V), based on acquiring (110) data indicative of at least an entity representing the dynamic behaviour of the vehicle (V) at predetermined sampling times, and on comparing (1401, 1402, 1403) the data acquired with a respective predetermined threshold value, adapted to distinguish an anomalous driving event. When the data acquired exceed the respective threshold value a counter of anomalous driving events is incremented (1411, 1412, 1413), the counter being decremented (1421, 1422, 1423) from a non-zero value when the acquired data do not exceed the threshold value. A harsh operation is detected (150) when the counter of anomalous driving events exceeds (1431, 1441; 1432, 1442; 1433, 1443) a predetermined warning threshold.

IPC 8 full level

G07C 5/00 (2006.01); **G07C 5/08** (2006.01)

CPC (source: EP)

G07C 5/085 (2013.01)

Citation (search report)

- [A] US 4500868 A 19850219 - TOKITSU NAOKI [JP], et al
- [A] WO 2005003885 A2 20050113 - WAY SAFER TECHNOLOGIES LTD [IL], et al
- [A] EP 2169635 A1 20100331 - FSD FAHRZEUGSYSTEMDATEN GMBH [DE]
- [A] US 2003158649 A1 20030821 - HASHIMOTO KOHJI [JP], et al
- [A] US 5465079 A 19951107 - BOUCHARD PAUL J [US], et al

Cited by

US2016154021A1; GB2521377A; GB2521377B; EP3021290A1; EP3021289A1; WO2014209212A1; US10189479B2; US10829126B2; US11679773B2

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2469477 A1 20120627; EP 2469477 B1 20131030; IT 1403784 B1 20131031; IT TO20101061 A1 20120625

DOCDB simple family (application)

EP 11195153 A 20111222; IT TO20101061 A 20101224