

Title (en)  
A system for monitoring the surroundings of a vehicle

Title (de)  
System zur Überwachung der Umgebung eines Fahrzeugs

Title (fr)  
Système de surveillance des alentours d'un véhicule

Publication  
**EP 2012211 A1 20090107 (EN)**

Application  
**EP 07111671 A 20070703**

Priority  
EP 07111671 A 20070703

Abstract (en)  
A surroundings monitoring system (10) for monitoring the surroundings (11) of a vehicle (1) comprising: a radar (22) being arranged to detect a road boundary (24) within a radar zone (26), said radar zone (26) being positioned a head of said vehicle (1), a shoulder edge determination unit (27) arranged to determine a lateral position of a shoulder edge (28) based on the detected road boundary (24), a vehicle position determination unit (29) being arranged to determine a lateral position (y(t)) of the vehicle (1) with respect to said shoulder edge (28).

IPC 8 full level  
**G05D 1/02** (2006.01)

CPC (source: EP)  
**G08G 1/167** (2013.01)

Citation (search report)

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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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

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