

Title (en)

IMPROVEMENTS IN OBSTACLE DETECTION FOR VEHICLES

Title (de)

VERBESSERUNGEN BEI DER HINDERNISERKENNUNG FÜR FAHRZEUGE

Title (fr)

AMÉLIORATIONS DE LA DÉTECTION D'OBSTACLES POUR VÉHICULES

Publication

**EP 2588881 A1 20130508 (EN)**

Application

**EP 12728131 A 20120514**

Priority

- GB 201111691 A 20110707
- GB 201109815 A 20110611
- IT 2012000138 W 20120514

Abstract (en)

[origin: WO2012172580A1] A sensor system detects changes in ground level or profile and is intended to prevent a car from reversing into an obstacle, such as a gully, kerb, ditch or a sloping roof. The system comprises one or more sensor means, each having a response axis at which its response is maximal, the, or each, sensor being mounted on a vehicle. In use the, or each, sensor response axis is at an angle with respect to the vertical and a control means receives signals from the one or more sensors and acts to analyse a series of one or more components of the signals, and issues a warning when a change of ground elevation is detected. Optionally a brake may be applied automatically so as to prevent the vehicle from moving towards the obstacle.

IPC 8 full level

**G01S 15/931** (2020.01); **G01S 13/931** (2020.01); **G01S 17/931** (2020.01)

CPC (source: EP)

**G01S 13/931** (2013.01); **G01S 15/931** (2013.01); **G01S 17/931** (2020.01); **G01S 2013/9314** (2013.01); **G01S 2013/93185** (2020.01); **G01S 2013/932** (2020.01); **G01S 2013/9322** (2020.01); **G01S 2013/93271** (2020.01); **G01S 2013/93272** (2020.01); **G01S 2013/93273** (2020.01); **G01S 2013/93275** (2020.01)

Citation (search report)

See references of WO 2012172580A1

Citation (examination)

- US 5163319 A 19921117 - SPIES HANS [DE], et al
- FR 2834914 A1 20030725 - BERCHET GROUPE SOC [FR]

Designated contracting state (EPC)

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**IT 2012000138 W 20120514; EP 12728131 A 20120514**