

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]

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