

Title (en)

POSITION DETECTING MEANS FOR AVOIDING COLLISIONS BETWEEN VEHICLES

Title (de)

POSITIONSERFASSUNGSVORRICHTUNG ZUR VERMEIDUNG VON KOLLISIONEN ZWISCHEN FAHRZEUGEN

Title (fr)

MOYEN DE DÉTECTION DE POSITION SERVANT À ÉVITER LES COLLISIONS ENTRE VÉHICULES

Publication

**EP 2831864 A1 20150204 (EN)**

Application

**EP 13721023 A 20130328**

Priority

- GB 201205544 A 20120329
- GB 2013050823 W 20130328

Abstract (en)

[origin: GB2492435A] A collision avoidance system 10 for a large vehicle 12 (e.g. lorry) comprises means for detecting a vulnerable vehicle (e.g. bicycle 34); camera 38,39; and video display 36 that is activated to show a live feed from the camera when a vulnerable vehicle is detected. The detection means may comprise a radio receiver 30 (connected to antennas 14, 16, 18, 20) receiving a signal transmitted by a tag 32 on the bike. Alternatively vulnerable vehicles may be detected by image recognition software e.g. detecting an IR-reflective tag in the image (Fig.6). Video may be streamed from a camera selected, orientated and zoomed on the basis of the detected bicycle position. The video feed may be augmented to highlight the bike. A processor may determine whether the vulnerable vehicle is moving; likely to collide with the large vehicle; or exhibiting erratic or unpredictable motion.

IPC 8 full level

**G08G 1/16** (2006.01)

CPC (source: EP)

**B60W 30/0956** (2013.01); **B60W 50/14** (2013.01); **G08G 1/166** (2013.01); **B60W 2050/146** (2013.01); **B60W 2420/403** (2013.01); **B60W 2554/00** (2020.02); **B60W 2556/65** (2020.02)

Citation (search report)

See references of WO 2013144638A1

Cited by

CN109591816A

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)

**GB 201205544 D0 20120509**; **GB 2492435 A 20130102**; EP 2831864 A1 20150204; SG 11201406143Q A 20141127; WO 2013144638 A1 20131003

DOCDB simple family (application)

**GB 201205544 A 20120329**; EP 13721023 A 20130328; GB 2013050823 W 20130328; SG 11201406143Q A 20130328