

Title (en)

A ROAD ANTI-COLLISION SYSTEM, AND A METHOD FOR PREVENTING ROAD COLLISIONS

Title (de)

STRASSENKOLLISIONSSCHUTZSYSTEM UND VERFAHREN ZUR VERHINDERUNG VON STRASSENKOLLISIONEN

Title (fr)

SYSTÈME ANTI-COLLISION DE ROUTE ET PROCÉDÉ POUR EMPÊCHER DES COLLISIONS DE ROUTE

Publication

**EP 4179515 A1 20230517 (EN)**

Application

**EP 21743429 A 20210709**

Priority

- IT 202000016867 A 20200710
- EP 2021069200 W 20210709

Abstract (en)

[origin: WO2022008731A1] A road anti-collision system (1) comprising at least: - a signal transceiver apparatus (10) installed at or close to a road intersection (100); - a signal transmitter apparatus (20) which is configured at least to transmit, to the signal transceiver apparatus (10), first signals (Si) indicative of the dynamical status of a first vehicle (101) approaching the road intersection (100) along a first direction (A) leading to the road intersection (100). The signal transceiver apparatus (10) is configured, based on the first signals (Si), to emit corresponding first light signals (LS1) carrying information indicative of the dynamical status of the first vehicle (101) at least towards a second vehicle (102) which is along a second direction (B) leading to the road intersection (100); - a signal receiving apparatus (30) which is installed on board of the second vehicle (102) and is configured at least first to detect and then to process the first light signals (LS1) for extracting the carried information indicative of the dynamical status of the first vehicle (101) approaching the road intersection (100) along the first direction (A). The invention encompasses also a method (200) for preventing road collisions at a road intersection (100).

IPC 8 full level

**G08G 1/0967** (2006.01); **G08G 1/16** (2006.01)

CPC (source: EP)

**G08G 1/09675** (2013.01); **G08G 1/096783** (2013.01); **G08G 1/162** (2013.01); **G08G 1/164** (2013.01)

Citation (examination)

- US 2020410852 A1 20201231 - LEE JINSANG [KR], et al
- US 2015112885 A1 20150423 - FADELL ANTHONY MICHAEL [US], et al
- EP 1515292 B1 20080917 - SONY CORP [JP]
- CN 108417090 A 20180817 - UNIV JIANGSU TECHNOLOGY
- See also references of WO 2022008731A1

Designated contracting state (EPC)

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