

Title (en)

METHOD FOR TRANSMITTING OBSTACLE DETECTION ENHANCEMENT DATA TO A MOVING CONVEYANCE

Title (de)

VERFAHREN ZUR ÜBERTRAGUNG VON HINDERNISERKENNUNGSVERBESSERUNGSDATEN AN EIN SICH BEWEGENDES BEFÖRDERUNGSMITTEL

Title (fr)

PROCÉDÉ DE TRANSMISSION DE DONNÉES D'AMÉLIORATION DE DÉTECTION D'OBSTACLES VERS UN TRANSPORT DE DÉPLACEMENT

Publication

**EP 3756971 A1 20201230 (EN)**

Application

**EP 19181988 A 20190624**

Priority

EP 19181988 A 20190624

Abstract (en)

Obstacle détection enhancement data have to be transmitted to an on-board wireless radio unit (160) of a moving conveyance (140) travelling on a predefined path (130) and embedding an obstacle détection system (170). The obstacle détection enhancement data are stored in a database (150) and include map descriptors describing knowledge of environment surrounding the predefined path (130). For determining which obstacle détection enhancement data to be transmitted toward the on-board wireless radio unit (160) in a transmission cycle, a server (120) détermine a relevant map portion in the database (150) and prioritizes obstacle détection enhancement data in the determined relevant map portion by attributing a weight thereto. The weights are attributed according to distance information and/or refinement level. The server (120) retrieves from the database (150) the obstacle détection enhancement data to be transmitted in the transmission cycle, so as to fill transmission resources made available thereto, according to the weights thus attributed.

IPC 8 full level

**B61L 23/04** (2006.01); **B61L 27/00** (2006.01)

CPC (source: EP)

**B61L 15/0027** (2013.01); **B61L 23/041** (2013.01); **B61L 25/021** (2013.01); **B61L 25/025** (2013.01)

Citation (search report)

- [A] EP 3492338 A1 20190605 - MITSUBISHI ELECTRIC R & D CENTRE EUROPE B V [NL], et al
- [A] EP 2990295 A1 20160302 - HITACHI LTD [JP]
- [A] WO 2018104454 A2 20180614 - SIEMENS AG [DE]

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)

**EP 3756971 A1 20201230**; JP 2022522908 A 20220420; JP 7170922 B2 20221114; WO 2020261714 A1 20201230

DOCDB simple family (application)

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