

Title (en)

METHOD FOR THE AUTONOMOUS DRIVING OF A VEHICLE IN A NARROW PASSAGE

Title (de)

VERFAHREN ZUM AUTONOMEN FAHREN EINES FAHRZEUGS IN EINER ENGSTELLE

Title (fr)

PROCÉDÉ DE CONDUITE AUTOMATIQUE D'UN VÉHICULE DANS UN RÉTRÉCISSEMENT

Publication

EP 3475777 A1 20190501 (DE)

Application

EP 17737468 A 20170601

Priority

- DE 102016211139 A 20160622
- DE 2017200047 W 20170601

Abstract (en)

[origin: WO2017220091A1] The invention relates to a method for the autonomous driving of a vehicle (1) through a narrow passage (5). The method comprises the storing of a right-of-way rule for the narrow passage (5) in a database, which the vehicle (1) can access. The narrow passage (5) and an oncoming vehicle (13) approaching in the region of the narrow passage (5) are sensed by means of sensors of the vehicle, and the speed of the oncoming vehicle (13) is determined by means of speed data sensed by the sensors. Furthermore, a reaction of the oncoming vehicle (13) is predicted in accordance with the determined speed of the oncoming vehicle (13), and the vehicle (1) is moved through the narrow passage (5), provided that the prediction of the reaction of the oncoming vehicle (13) indicates that the oncoming vehicle (13) will not pass through the narrow passage or frees the narrow passage (5) for passage or the right-of-way rule stored in the database provides that the vehicle (1) has the right-of-way in the narrow passage (13).

IPC 8 full level

G05D 1/02 (2006.01)

CPC (source: EP US)

B60W 30/095 (2013.01 - EP); **B60W 30/12** (2013.01 - EP); **B60W 30/16** (2013.01 - EP); **B60W 30/18009** (2013.01 - EP US); **B60W 40/04** (2013.01 - US); **B60W 40/06** (2013.01 - US); **B60W 50/0097** (2013.01 - EP); **B60W 60/00272** (2020.02 - EP); **B60W 60/00274** (2020.02 - EP); **G05D 1/0289** (2024.01 - EP); **G08G 1/0137** (2013.01 - US); **B60W 2420/403** (2013.01 - US); **B60W 2420/408** (2024.01 - US); **B60W 2520/10** (2013.01 - US); **B60W 2552/00** (2020.02 - US); **B60W 2554/80** (2020.02 - EP US); **B60W 2555/60** (2020.02 - EP); **B60W 2556/45** (2020.02 - EP); **B60W 2556/50** (2020.02 - EP); **G08G 1/09** (2013.01 - EP)

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)

DE 102016211139 A1 20171228; CN 109416542 A 20190301; DE 112017002301 A5 20190110; EP 3475777 A1 20190501; US 10953878 B2 20210323; US 2019375410 A1 20191212; WO 2017220091 A1 20171228

DOCDB simple family (application)

DE 102016211139 A 20160622; CN 201780037630 A 20170601; DE 112017002301 T 20170601; DE 2017200047 W 20170601; EP 17737468 A 20170601; US 201716312004 A 20170601