Title (en)
SYSTEM AND METHOD FOR REAL TIME CONTROL OF AN AUTONOMOUS DEVICE

Title (de)
SYSTEM UND VERFAHREN ZUR ECHTZEITSTEUERUNG EINER AUTONOMEN VORRICHTUNG

Title (fr)
SYSTÈME ET PROCÉDÉ DE COMMANDE EN TEMPS RÉEL D'UN DISPOSITIF AUTONOME

Publication
EP 3997484 A1 20220518 (EN)

Application
EP 20750954 A 20200710

Priority
• US 201962872320 P 20190710
• US 201962872396 P 20190710
• US 202062990485 P 20200317
• US 2020041711 W 20200710

Abstract (en)
[origin: WO2021007561A1] An autonomous vehicle having sensors advantageously varied in capabilities, advantageously positioned, and advantageously impervious to environmental conditions. A system executing on the autonomous vehicle that can receive a map including, for example, substantially discontinuous surface features along with data from the sensors, create an occupancy grid based upon the map and the data, and change the configuration of the autonomous vehicle based upon the type of surface on which the autonomous vehicle navigates. The device can safely navigate surfaces and surface features, including traversing discontinuous surfaces and other obstacles.

IPC 8 full level
G01S 17/89 (2020.01); **G01C 21/30** (2006.01); **G01S 17/87** (2020.01)

CPC (source: EP GB IL KR)
B60W 30/08 (2013.01 - KR); **B60W 40/02** (2013.01 - KR); **B60W 60/00256** (2020.02 - KR); **G01C 21/3461** (2013.01 - EP GB IL KR);
G01S 7/4808 (2013.01 - EP GB IL KR); **G01S 13/865** (2013.01 - EP GB IL KR); **G01S 13/867** (2013.01 - EP GB IL KR);
G01S 13/931 (2013.01 - EP GB IL KR); **G01S 15/86** (2020.01 - EP GB IL KR); **G01S 15/931** (2013.01 - EP GB IL KR);
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B60W 2420/403 (2013.01 - KR); B60W 2420/408 (2024.01 - KR); B60W 2420/54 (2013.01 - KR); B60W 2556/50 (2020.02 - KR);
B62D 15/025 (2013.01 - EP); G01S 2013/9318 (2020.01 - EP); G01S 2013/93185 (2020.01 - EP); G01S 2013/9319 (2020.01 - EP);
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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

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WO 2021007561 A1 20210114; AU 2020310932 A1 20220127; BR 112022000356 A2 20220510; CA 3146648 A1 20210114;
CN 114270140 A 20220401; EP 3997484 A1 20220518; GB 202201700 D0 20220330; GB 2600638 A 20220504; GB 2600638 A8 20221123;
IL 289689 A 20220301; JP 2022540640 A 20220916; JP 2023112104 A 20230810; KR 20220034843 A 20220318; MX 2022000458 A 20220425

DOCDB simple family (application)
US 2020041711 W 20200710; AU 2020310932 A 20200710; BR 112022000356 A 20200710; CA 3146648 A 20200710;
CN 202080058758 A 20200710; EP 20750954 A 20200710; GB 202201700 A 20200710; IL 28968922 A 20220109; JP 2022501336 A 20200710;
JP 2023102264 A 20230622; KR 20227004537 A 20200710; MX 2022000458 A 20200710