

Title (en)
AUTONOMOUS ROBOT SYSTEM

Title (de)
AUTONOMES ROBOTERSYSTEM

Title (fr)
SYSTÈME ROBOTIQUE AUTONOME

Publication
EP 3652600 A1 20200520 (EN)

Application
EP 18831842 A 20180710

Priority

- US 201762530744 P 20170710
- US 201715725656 A 20171005
- US 2017057319 W 20171019
- US 201862651023 P 20180330
- US 2018041525 W 20180710

Abstract (en)
[origin: WO2019014277A1] A system for identifying and following a moving electronic device, the system includes an antenna for receiving a transmitting signals, a plurality of sensors for distance measurement, a processor, and a memory in communication with the processor. The memory storing instructions that, when executed by the processor, cause the processor to determine a speed and a direction of the moving electronic device; adjust a movement path of the system based on the determined speed and direction of the moving electronic device; determine a distance between the moving electronic device and the system; command the system to follow the moving electronic device within a predetermined range of the distance while identifying and avoiding an obstacle in the movement path of the system.

IPC 8 full level
G05D 1/02 (2020.01); **A63F 13/803** (2014.01); **G01C 21/20** (2006.01); **G01C 21/34** (2006.01); **G05D 1/08** (2006.01); **G05D 1/10** (2006.01); **G05D 1/12** (2006.01); **G05D 3/12** (2006.01)

CPC (source: EP US)
A45C 5/03 (2013.01 - EP); **A45C 5/14** (2013.01 - EP); **A45C 15/00** (2013.01 - EP); **G01C 21/20** (2013.01 - EP US); **G05D 1/0246** (2024.01 - EP); **G05D 1/028** (2024.01 - EP); **G05D 1/106** (2024.01 - EP US)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019014277 A1 20190117; CN 111201497 A 20200526; EP 3652600 A1 20200520; EP 3652600 A4 20210804; JP 2020527266 A 20200903

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