

Title (en)
IMPROVED NAVIGATION FOR A ROBOTIC WORK TOOL

Title (de)
VERBESSERTE NAVIGATION FÜR EIN ROBOTISCHES ARBEITSWERKZEUG

Title (fr)
NAVIGATION AMÉLIORÉE POUR OUTIL DE TRAVAIL ROBOTIQUE

Publication
EP 4291013 A1 20231220 (EN)

Application
EP 22704604 A 20220202

Priority
• SE 2150161 A 20210215
• SE 2022050106 W 20220202

Abstract (en)
[origin: WO2022173343A1] A robotic work tool (100) configured to operate in a work area (205), the robotic work tool (100) comprising a controller (110) configured to cause the robotic work tool to follow (410) a first side (S1) of the work area (205) at a distance for the first side (S1); determine (420) that an end (EP1, EP2) has been reached and in response thereto cause the robotic work tool to make a turn (430) and follow (440) the first side (S1) of the work area (205) at a next distance; determine that a middle (M) has been reached (450) and in response thereto cause the robotic work tool to proceed to a second side (S2) and follow (470) the second side (S2) of the work area (205) at a first distance for the second side (S2); determine that an end (EP1, EP2) has been reached and in response thereto cause the robotic work tool to make a turn and follow (480) the second side (S2) of the work area (205) at a next distance.

IPC 8 full level
A01D 34/00 (2006.01); **G05D 1/02** (2020.01)

CPC (source: EP SE)
A01D 34/008 (2013.01 - EP); **G01S 1/70** (2013.01 - SE); **G01S 13/56** (2013.01 - SE); **G01S 13/86** (2013.01 - SE); **G01S 13/881** (2013.01 - SE); **G01S 15/02** (2013.01 - SE); **G01S 15/08** (2013.01 - SE); **G05D 1/0265** (2024.01 - EP); **G05D 1/0278** (2024.01 - EP); **G05D 1/248** (2024.01 - SE); **G01S 19/01** (2013.01 - SE); **Y10S 901/01** (2013.01 - SE)

Citation (search report)
See references of WO 2022173343A1

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022173343 A1 20220818; EP 4291013 A1 20231220; SE 2150161 A1 20220816; SE 544910 C2 20221227

DOCDB simple family (application)
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