

Title (en)

MOBILE MANIPULATOR AND METHOD FOR CONTROLLING A MOBILE MANIPULATOR

Title (de)

MOBILER MANIPULATOR UND VERFAHREN ZUM STEUERN EINES MOBILEN MANIPULATORS

Title (fr)

MANIPULATEUR MOBILE ET PROCÉDÉ DE COMMANDE D'UN MANIPULATEUR MOBILE

Publication

**EP 3555722 A1 20191023 (DE)**

Application

**EP 17825420 A 20171212**

Priority

- DE 102016225310 A 20161216
- EP 2017082333 W 20171212

Abstract (en)

[origin: WO2018108867A1] The present invention relates to a mobile manipulator (1), comprising: a mobile platform (10); a manipulator (20) which is arranged on the mobile platform (10); at least one camera (30, 31) which is mounted on the mobile manipulator (1) and which, at a first point in time t1, provides a first image (61) of an area of the surroundings; and a control system (12) which is configured to check whether the first image (61) has sufficient features (40) of the surroundings to perform an active SLAM method on the basis of the first image (61), wherein the control system (12) adapts the field of view of the camera (30, 31) if the first image (61) does not have sufficient features (40) to provide a second image (62) at a second point in time t2, which is after the first point in time t1, using the camera (30, 31), which second image has sufficient features (40) to perform an active SLAM method, and the control system (12) is configured to perform an active SLAM method by means of the first (6) or the second image (62).

IPC 8 full level

**G05D 1/02** (2006.01)

CPC (source: EP)

**B25J 5/007** (2013.01); **B25J 19/023** (2013.01); **G05D 1/0246** (2024.01); **G05D 1/0274** (2024.01)

Citation (search report)

See references of WO 2018108867A1

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)

**WO 2018108867 A1 20180621**; DE 102016225310 A1 20180621; EP 3555722 A1 20191023

DOCDB simple family (application)

**EP 2017082333 W 20171212**; DE 102016225310 A 20161216; EP 17825420 A 20171212