

Title (en)

MANIPULATOR DEVICE FOR OPENING A FLAP, AND A CORRESPONDING METHOD

Title (de)

HANDHABUNGSEINRICHTUNG ZUM ÖFFNEN EINER Klappe UND ENTSPRECHENDES VERFAHREN

Title (fr)

DISPOSITIF DE MANIPULATION POUR OUVRIR UN OUVRANT ET PROCÉDÉ CORRESPONDANT

Publication

**EP 3227062 A1 20171011 (DE)**

Application

**EP 15804678 A 20151202**

Priority

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- EP 2015002419 W 20151202

Abstract (en)

[origin: WO2016087042A1] The invention relates to a manipulator device for opening a flap (1) of a component to be coated, particularly for opening a door (1) or a hood of a motor vehicle bodywork component in a coating installation, comprising a manipulator robot (2) having a robotic arm (5) and a gripper (6) which is mounted on said robotic arm (5) and engages with an engagement section (7) on the flap (1) to be opened such that the manipulator robot (2) can open the flap (1) using said gripper (6), as well as a sensor (8) for detecting, contact-free, the position of the gripper (6) relative to the flap (1) in order for the gripper (6) to be positionable relative to the engagement section on said flap (1). According to the invention, the sensor (8) measures the distance to the outer side (9) of the flap (1) to be opened.

IPC 8 full level

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Citation (search report)

See references of WO 2016087042A1

Citation (examination)

- DE 102006050114 A1 20070531 - ABB INC [US]
- JP H06142607 A 19940524 - HONDA MOTOR CO LTD

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