

Title (en)
DEVICE FOR HELPING A VEHICLE PASS OVER AN OBSTACLE

Title (de)
VORRICHTUNG ZUR UNTERSTÜTZUNG DES FAHRENS EINES FAHRZEUGS ÜBER EIN HINDERNIS

Title (fr)
DISPOSITIF D'ASSISTANCE AU FRANCHISSEMENT D'UN OBSTACLE PAR UN VÉHICULE

Publication
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Application
EP 16813094 A 20161130

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• FR 1561689 A 20151201
• FR 2016053149 W 20161130

Abstract (en)
[origin: CA3006887A1] The invention relates to a device (1) for helping a wheeled vehicle pass over an obstacle, in particular for a person with impaired mobility. It comprises: - a stationary frame (2) comprising a bottom and two symmetrical parallel side walls (9, 10); - a plate (3) provided with two ends, a first end being movable between a high position and a low position in which said plate constitutes an access ramp, and - an assembly for driving said first end between a low position and a high position, said first end being supported by said drive assembly in both the low position and the high position. Said drive assembly comprises: - a linear ram mounted under the plate (3), provided with a stationary end adjacent to said second end and rigidly connected to the bottom, and a mobile end, - a carriage that is movable in horizontal translation and driven by said ram, said carriage resting on guides mounted on the bottom of the frame. Said carriage comprises two tappets, - a pair of arms, the arms being symmetrical, each arm resting on one of the tappets of the carriage, each arm supporting the first end of the plate (3); in the retracted position of the actuator, the carriage is near said second end, the arms are in the low position and the first end is in the ramp position, and in the extended position of the actuator, the carriage is near said first end, the arms are in the high position and the first end is in the high position.

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Citation (examination)
• FR 2836403 B1 20040702 - DIMECO ALIPRESSE [FR]
• FR 3015432 A1 20150626 - AIRBUS OPERATIONS SAS [FR]
• FR 3078278 A1 20190830 - ADDUP [FR]
• FR 3043032 A1 20170505 - RENAULT SAS [FR]
• FR 3051027 A1 20171110 - ZODIAC HYDRAULICS [FR]

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