

Title (en)  
DEVICE FOR HELPING A VEHICLE TO NEGOTIATE AN OBSTACLE

Title (de)  
VORRICHTUNG ZUR UNTERSTÜTZUNG EINES FAHRZEUGS BEI DER ÜBERQUERUNG EINES HINDERNISSES

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

Publication  
**EP 4259890 A1 20231018 (FR)**

Application  
**EP 21847989 A 20211208**

Priority  
• FR 2012901 A 20201209  
• FR 2021052234 W 20211208

Abstract (en)  
[origin: CA3200614A1] Device 1 for helping a wheeled vehicle to negotiate an obstacle, said device comprising a frame 2, a plate 9 provided with two ends, a first end being movable between a high position and a low position in which the plate 9 constitutes an access ramp, a flap 11 constituting a front surface of the assistance device 1 when the plate 9 is in the high position and constituting access to the ramp when the plate 9 is in the low position, and a drive assembly 30 for driving the first end between the low position and the high position, the first end being supported by the drive assembly at least in the high position, the drive assembly 30 comprising an actuator 31 and a carriage 35 translatably movable along a longitudinal axis, the movable carriage 35 being translated by the actuator, a pair of side railings 36, 37 rigidly connected to the carriage 35 and each having a control profile controlling the position of the plate 9, and a pair of resilient bars 40, 41 arranged between the flap 11 and the side railings 36, 37 such that in the high position, the resilient bars 40, 41 exert traction on the flap 11 and in the low position, the resilient bars 40, 41 press against the flap 11.

IPC 8 full level  
**E04F 11/00** (2006.01)

CPC (source: EP US)  
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