

Title (en)

MOBILITY ASSISTANCE VEHICLE DESIGNED TO NEGOTIATE OBSTACLES

Title (de)

MOBILITÄTSASSISTENZFAHRZEUG ZUR ÜBERQUERUNG VON HINDERNISSEN

Title (fr)

VEHICULE D'AIDE A LA MOBILITE ADAPTE POUR LE FRANCHISSEMENT D'OBSTACLES

Publication

**EP 3522845 A1 20190814 (FR)**

Application

**EP 17797386 A 20171009**

Priority

- FR 1670589 A 20161010
- FR 2017052763 W 20171009

Abstract (en)

[origin: WO2018069619A1] The invention mainly concerns a mobility assistance vehicle (1) designed to negotiate obstacles (33, 35) while keeping the attitude of same horizontal, comprising a mechanical structure (2) supporting at least one seat (3), control means (19), at least four articulated legs (6a, 6b, 6c, 6d) and equipped with motorised wheels, characterised in that: i. each first segment (7a-7d) is mounted on one of the lateral sides (200) of the mechanical structure (2) by a motorised articulation (10a, 10b, 10c, 10d), each opposing lateral side (200) being linked to at least two legs (6a-6d), and in that, ii. the control means (19) are capable of controlling the motorised articulations (9a - 9d, 10 - 10d) of the legs (6a - 6d) separately from each other, in particular when said legs (6a - 6d) are raised successively in order to negotiate an obstacle (33, 35) in a permanently stable situation.

IPC 8 full level

**A61G 5/04** (2013.01); **A61G 5/06** (2006.01); **A61G 5/10** (2006.01)

CPC (source: EP US)

**A61G 5/06** (2013.01 - EP US); **A61G 5/061** (2013.01 - EP US); **A61G 5/068** (2013.01 - EP US); **A61G 5/1059** (2013.01 - EP US); **A61G 5/046** (2013.01 - EP US); **A61G 2203/10** (2013.01 - EP US); **A61G 2203/32** (2013.01 - EP US); **A61G 2203/40** (2013.01 - EP US); **A61G 2203/42** (2013.01 - EP US); **A61G 2203/72** (2013.01 - EP US)

Citation (search report)

See references of WO 2018069619A1

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DOCDB simple family (application)

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