

Title (en)

SYSTEM FOR MOVING LOADS ALONG AN INCLINED SURFACE

Title (de)

SYSTEM ZUM BEWEGUNG VON LASTEN ENTLANG EINER GENEIGTEN OBERFLÄCHE

Title (fr)

SYSTÈME DE DÉPLACEMENT DE CHARGES LE LONG D'UNE SURFACE INCLINÉE

Publication

EP 3208224 B1 20230823 (EN)

Application

EP 16155813 A 20160216

Priority

EP 16155813 A 20160216

Abstract (en)

[origin: EP3208224A1] The invention relates to a system for moving a wheelchair or other load along stairs or an elevated surface, which system is provided with a deployable support surface on the stairs or the elevated surface and a transport vehicle onto which a wheelchair or other load can be positioned so that they can be carried along the stairs or the elevated surface, said vehicle moving on said support surface. The transport vehicle comprises propulsion means and means for maintaining the wheelchair or other load in an essentially horizontal position during the entire transport operation. On the user's command, the transport vehicle will transport the wheelchair or other load safely several meters up or down the stairs. It can operate on slopes beyond the typical 8% reaching up to 60% allowing the wheelchair user to safely ascent or decent several stair steps. The transport vehicle is foldable and can be packed quickly to be carried away in one or more transport cases.

IPC 8 full level

B66B 9/08 (2006.01); **A61G 5/10** (2006.01); **B62B 5/02** (2006.01)

CPC (source: EP)

A61G 3/061 (2013.01); **A61G 3/063** (2013.01); **B66B 9/08** (2013.01); **A61G 3/0808** (2013.01)

Cited by

CN115214819A; CN110329877A

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

DOCDB simple family (publication)

EP 3208224 A1 20170823; **EP 3208224 B1 20230823**; **EP 3208224 C0 20230823**; ES 2958397 T3 20240208

DOCDB simple family (application)

EP 16155813 A 20160216; ES 16155813 T 20160216