

Title (en)  
SYSTEM FOR MOVING LOADS ALONG AN ELEVATED SURFACE

Title (de)  
BEWEGUNGSSYSTEM LASTEN ENTLANG EINER HOHEN OBERFLÄCHEN

Title (fr)  
SYSTÈME DE DÉPLACEMENT DE CHARGES LE LONG D'UNE SURFACE ÉLEVÉE

Publication  
**EP 3208224 A1 20170823 (EN)**

Application  
**EP 16155813 A 20160216**

Priority  
EP 16155813 A 20160216

Abstract (en)  
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  
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CPC (source: EP)  
**A61G 3/061** (2013.01); **A61G 3/063** (2013.01); **B66B 9/08** (2013.01); **A61G 3/0808** (2013.01)

Citation (applicant)  

- US 4674584 A 19870623 - WATKINS BAXTER R [US]
- US 7010825 B1 20060314 - FINCH SALAS BARBARA KAYE [US], et al
- US 6430769 B1 20020813 - ALLEN RICHARD D [US]
- WO 9719887 A1 19970605 - ROEED SVEIN ERIK [NO]
- US 6158536 A 20001212 - MISAWA RINTARO [JP]
- US 4411330 A 19831025 - BLOKLAND ADRIAAN [NL]
- US 7010825 B1 20060314 - FINCH SALAS BARBARA KAYE [US], et al
- US 6430769 B1 20020813 - ALLEN RICHARD D [US]
- WO 9719887 A1 19970605 - ROEED SVEIN ERIK [NO]

Citation (search report)  

- [XA] US 2015375965 A1 20151231 - AWERBUCH JONATHAN [US], et al
- [YDA] US 6430769 B1 20020813 - ALLEN RICHARD D [US]
- [YDA] US 4674584 A 19870623 - WATKINS BAXTER R [US]
- [YDA] US 6158536 A 20001212 - MISAWA RINTARO [JP]

Cited by  
CN110329877A; CN115214819A

Designated contracting state (EPC)  
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Designated extension state (EPC)  
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