

Title (en)

Elevator with transmission-suspension arrangement consisting of a belt and pulleys

Title (de)

Aufzugsanlage mit einer aus Riemen und Scheiben bestehenden Antriebsübertragungsanordnung

Title (fr)

Ascenseur avec dispositif de transmission et suspension comprenant une courroie et des poulies

Publication

EP 1396458 B1 20100414 (DE)

Application

EP 03016954 A 20030725

Priority

DE 10240988 A 20020905

Abstract (en)

[origin: EP1396458A2] The lift system (2) has a drive transmission arrangement consisting of flat belts (8) and pulleys (10a,10b,12a-12c). The flat belt is manufactured in optional length as cut meter pieces and consists of an elastomer material, and is reinforced by ties. The flat belt on at least one of its sides, which may be the lower or upper side, is provided with longitudinal ribs, and the pulleys are grooved or flat pulleys and serve as deflection and drive pulleys. In the case of a belt with ribs on both sides the ribs are geometrically different in their construction.

IPC 8 full level

B66B 7/06 (2006.01); **B66B 11/08** (2006.01)

CPC (source: EP)

B66B 7/062 (2013.01); **B66B 11/08** (2013.01); **D07B 5/006** (2015.07); **D07B 2501/2007** (2013.01)

Cited by

DE102007021434B4; WO2019076655A1; WO2012022517A1; US9828215B2; CN102209679A; US7806238B2; CN103264946A; EP1886959A1; CN102209678A; DE102008037537B4; US9828214B2; CN102574665A; EP2141110A1; EP1886958A1; US2013206516A1; US9126805B2; US2007017749A1; EP3281906A1; CN107601219A; CN111201193A; AU2018351932B2; US11814788B2; US7040456B2; DE102008037540A1; US7661514B2; EP1550629A1; CN103821909A; US2014182976A1; US2014224592A1; US9914622B2; US10005642B2; WO2006042427A1; WO2013016944A1; US8336675B2; US10926976B2; US11485612B2; US2010133046A1; EP3584209A3; EP1724226A1; US7757817B2; US8210320B2; US8550216B2; DE102008037536A1; DE102008037537A1; US8789658B2; DE102008037541A1; DE102010016872A1; WO2011141068A1; WO2010052075A1; WO2010052076A1; WO2018166978A1; WO2020187469A1; KR100921360B1; DE102008037538A1; US8794387B2; US9050768B2; US10894696B2; US11820628B2; US10843900B2; US11565912B2; WO2011045215A1; WO2009041970A1; WO2009127241A1; WO2010052067A1; DE102007021434A1; US8479888B2; US8556040B2; DE102012110769A1; US9365395B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1396458 A2 20040310; **EP 1396458 A3 20040526**; **EP 1396458 B1 20100414**; AT E464266 T1 20100415; DE 10240988 A1 20040318; DE 10240988 B4 20140227; DE 50312606 D1 20100527; ES 2344104 T3 20100818

DOCDB simple family (application)

EP 03016954 A 20030725; AT 03016954 T 20030725; DE 10240988 A 20020905; DE 50312606 T 20030725; ES 03016954 T 20030725