

Title (en)  
Turntable ladder

Title (de)  
Drehleiter

Title (fr)  
Échelle à plateau tournant

Publication  
**EP 2022749 A1 20090211 (EN)**

Application  
**EP 08162080 A 20080808**

Priority  
DE 102007038016 A 20070810

Abstract (en)  
Turntable ladder, telescopic mast platform or similar, with a telescoping ladder set (5) or telescopic mast, and possibly, a passenger cage (3) attached thereto, said turntable ladder or telescopic mast comprising a control for the movement of the ladder parts or telescopic mast parts, which is contrived in such a way that when the turntable ladder or telescopic mast platform is operated, oscillations in the ladder parts or telescopic mast parts are suppressed in that at least one of the measured values, i.e. bending of the ladder set or telescopic mast in the horizontal or vertical directions, erection angle, angle of rotation, extension length and torsion of the ladder set or telescopic mast, is fed back via a controller to the control values for the drives, characterised in that attached to the ladder set or telescopic mast and/or to the passenger cage there are inertial sensors for detecting the bending state of the ladder set or telescopic mast.

IPC 8 full level  
**E06C 5/36** (2006.01); **B66F 11/04** (2006.01); **E06C 5/04** (2006.01)

CPC (source: EP)  
**B66F 11/046** (2013.01); **E06C 5/04** (2013.01); **E06C 5/36** (2013.01)

Citation (applicant)  
• DE 10016136 C2 20030821 - IVECO MAGIRUS [DE]  
• DE 10016137 C2 20030821 - IVECO MAGIRUS [DE]  
• DE 102005042721 A1 20070315 - IVECO MAGIRUS [DE]  
• "Analyse und Regelung nichtlinearer Mehrgößensysteme", 1997, VDI-VERLAG

Citation (search report)  
• [DY] DE 102005042721 A1 20070315 - IVECO MAGIRUS [DE]  
• [Y] JP 2003221191 A 20030805 - AICHI CORP KK  
• [A] JP H0958998 A 19970304 - TAMAGAWA SEIKI CO LTD  
• [DA] DE 10016137 C2 20030821 - IVECO MAGIRUS [DE]  
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Cited by  
EP3034455A1; FR2980184A1; CN111634864A; US9403667B2; US9002557B2; US9302893B2; CN105717947A; RU2695006C2; US2015120152A1; CN107010576A; US9803423B2; EP3754151A1; IT201900009738A1; WO2014165889A1; US10807851B2; US8731785B2; US10106994B2; US8763990B2; US9695025B2; EP3754151B1; EP2778466B1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2022749 A1 20090211**; **EP 2022749 B1 20140618**; DE 102007038016 A1 20090212; ES 2500493 T3 20140930

DOCDB simple family (application)  
**EP 08162080 A 20080808**; DE 102007038016 A 20070810; ES 08162080 T 20080808