

Title (en)
Handrail on top of elevator cage

Title (de)
An Kabine angebrachter Handlauf für Aufzug

Title (fr)
Main courante pour cabine d'ascenseur

Publication
EP 2295363 A1 20110316 (EN)

Application
EP 10196453 A 20020501

Priority
• EP 02722920 A 20020501
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• JP 0204359 W 20020501

Abstract (en)
A handrail (410) on top of an elevator cage (400) comprises: a handrail (410) provided on top of a cage (400) of an elevator; a support frame that supports said handrail (410); and a fastening column that fastens said support frame to said cage (400), wherein said handrail (410) includes two side handrails (420, 430) provided in parallel with two sides of said elevator, and a back handrail (440) provided perpendicularly to said side handrails (420, 430), and said side handrails (420, 430) has automatic accommodation means (70-74) that makes it possible that one of said side handrails (420, 430) is accommodated to allow the other of said side handrails (420, 430) to be accommodated.

IPC 8 full level
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CPC (source: EP KR)
B66B 5/0062 (2013.01 - EP); **B66B 5/0081** (2013.01 - EP); **B66B 13/24** (2013.01 - KR)

Citation (search report)
• [XY] JP H0185368 U 19890606
• [XAY] JP 2002020062 A 20020123 - MITSUBISHI ELECTRIC CORP
• [IY] EP 0985628 A2 20000315 - TOSHIBA KK [JP]
• [XAY] JP H08310771 A 19961126 - MITSUBISHI ELECTRIC BILL TECH

Cited by
CN104477719A; EP4005961A1; US10836605B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1500623 A1 20050126; EP 1500623 A4 20100505; EP 1500623 B1 20120530; CN 100443391 C 20081217; CN 1247429 C 20060329; CN 1525937 A 20040901; CN 1769156 A 20060510; EP 2295363 A1 20110316; EP 2295363 B1 20140820; JP 4220464 B2 20090204; JP WO2003093157 A1 20050908; KR 100567784 B1 20060404; KR 20040010787 A 20040131; WO 03093157 A1 20031113

DOCDB simple family (application)
EP 02722920 A 20020501; CN 02813236 A 20020501; CN 200510099117 A 20020501; EP 10196453 A 20020501; JP 0204359 W 20020501; JP 2004501300 A 20020501; KR 20037017156 A 20031229