

Title (en)  
ON-CAGE HANDRAIL FOR ELEVATOR

Title (de)  
AN KABINE ANGEBRACHTER HALTEGRIFF FÜR AUFZUG

Title (fr)  
MAIN COURANTE POUR CAGE D'ASCENSEUR

Publication  
**EP 1500623 A1 20050126 (EN)**

Application  
**EP 02722920 A 20020501**

Priority  
JP 0204359 W 20020501

Abstract (en)  
A handrail on top of an elevator cage includes: a handrail (110) provided on top of an elevator cage (2); a support frame (4) that supports the handrail (110); and a fastening column (6) that fastens the support frame (4) to the cage (2). The handrail (110) includes side handrails (120, 130) provided on top of the cage (2) in parallel with two opposite sides of the cage (2), and a back handrail (140) provided on top of the cage (2) perpendicularly to the side handrails (120, 130). Further, at least the side handrails (120, 130) of the handrail (110) include adjustment means (26, 30) for adjusting a height, and the handrail (110) includes accommodation means (32, 34) for allowing the handrail (110) to be horizontally folded and accommodated on a top surface of the cage (2). <IMAGE>

IPC 1-7  
**B66B 11/02**; **B66B 5/00**

IPC 8 full level  
**B66B 5/00** (2006.01); **B66B 11/02** (2006.01)

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

Citation (third parties)  
Third party :

- GB 2158038 A 19851106 - AFD ENGINEERING
- JP H04292386 A 19921016 - TOSHIBA CORP

Cited by  
EP1925581A4; CN109890737A; DE102016121742A1; US11174124B2; WO2018078113A1; WO2018091350A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

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