

Title (en)
ELEVATOR APPARATUS

Title (de)
AUFZUGSVORRICHTUNG

Title (fr)
APPAREIL ELEVATEUR

Publication
EP 1518811 A4 20090513 (EN)

Application
EP 03733305 A 20030606

Priority
JP 0307213 W 20030606

Abstract (en)
[origin: EP1518811A1] An elevator apparatus according to the present invention includes a hoistway; a hoisted body ascending and descending inside the hoistway; a buffer disposed in a pit in a lower portion of the hoistway, for stopping the hoisted body and for absorbing mechanical shock therefrom; an arm disposed under the hoisted body, for tracking vertical movement of the hoisted body; and a switch activated in response to downward movement of the arm, for stopping the hoisted body. As the switch and the arm are disposed inside a vertical plane of projection of the hoisted body, a cross-sectional area of a hoistway is reduced. <IMAGE>

IPC 1-7
B66B 1/48; **B66B 5/28**

IPC 8 full level
B66B 1/48 (2006.01); **B66B 5/28** (2006.01)

CPC (source: EP)
B66B 5/282 (2013.01)

Citation (search report)

- [XA] JP H05246647 A 19930924 - HITACHI LTD, et al
- [XY] JP S61166482 A 19860728 - MITSUBISHI ELECTRIC CORP
- [Y] JP H0188687 U 19890612
- See references of WO 2004108575A1

Cited by
CN108439131A; CN108516439A; EP3401260A1; US7896138B2; US11078043B2; WO2007125155A1

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DE NL

DOCDB simple family (publication)
EP 1518811 A1 20050330; **EP 1518811 A4 20090513**; **EP 1518811 B1 20101215**; CN 100379669 C 20080409; CN 1665735 A 20050907; DE 60335370 D1 20110127; JP 4323483 B2 20090902; JP WO2004108575 A1 20060720; WO 2004108575 A1 20041216

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