

Title (en)
Safety device for escalators

Title (de)
Sicherheitseinrichtung für Fahrtreppe

Title (fr)
Dispositif de sécurité pour escalier roulant

Publication
EP 0931754 B1 20040804 (DE)

Application
EP 99101221 A 19990122

Priority
DE 29801098 U 19980123

Abstract (en)
[origin: EP0931754A2] The escalator has a safety device which slows the escalator (10) down, when misuse of the hand rail (12) is detected. The device includes a sensor (20,22) mounted on the outside of the escalator which monitors to see whether any object is sticking out from the outside of the escalator, in which case it turns off the escalator and/or sets of an alarm. Preferably one sensor (22) directs a beam (26) upwards and on the outer side of the escalator, just below the handrail. The other sensor (20) directs a beam (24) up to just below the hand rail near the point where a person gets on the escalator. Ultrasonic sensors may be used.

IPC 1-7
B66B 25/00

IPC 8 full level
B66B 25/00 (2006.01); **B66B 29/04** (2006.01)

CPC (source: EP)
B66B 29/04 (2013.01)

Citation (examination)
JP S63208492 A 19880829 - TOSHIBA CORP

Cited by
WO2017032414A1; DE202011000818U1; EP2471738A1; DE102010061614A1; US10259685B2

Designated contracting state (EPC)
AT CH DE ES FR GB LI

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EP 0931754 A2 19990728; EP 0931754 A3 20010919; EP 0931754 B1 20040804; AT E272568 T1 20040815; DE 29801098 U1 19980702; DE 59910087 D1 20040909; ES 2221718 T3 20050101

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