

Title (en)

Method of force limitation for automatic elevator doors

Title (de)

Verfahren zur Kraftbegrenzung für automatische Aufzugstüren

Title (fr)

Méthode de limitation des efforts pour portes automatiques d'ascenseur

Publication

EP 0976675 B1 20031015 (DE)

Application

EP 99114061 A 19990720

Priority

- EP 99114061 A 19990720
- EP 98810733 A 19980730

Abstract (en)

[origin: EP0976675A1] The drive force profile in normal operation, interfering forces being absent, is determined from a mathematical model. This profile is compared with the actual drive force measured during use. Departures of given magnitude, which are triggered by mechanical interference, stop or reverse door travel.

IPC 1-7

B66B 13/14

IPC 8 full level

B66B 13/14 (2006.01)

CPC (source: EP)

B66B 13/143 (2013.01)

Cited by

US2022268081A1; CN102324890A; CN112805234A; EP1544151A4; DE102010064217B3; US9352936B2; US9126809B2; US10103669B2; WO2020058261A1; US11679960B2

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DOCDB simple family (publication)

EP 0976675 A1 20000202; EP 0976675 B1 20031015; EP 0976675 B2 20080813; AT E252049 T1 20031115; CN 1102529 C 20030305; CN 1244492 A 20000216; DE 59907349 D1 20031120; HK 1026187 A1 20001208; MY 120366 A 20051031; SG 71932 A1 20000418

DOCDB simple family (application)

EP 99114061 A 19990720; AT 99114061 T 19990720; CN 99110811 A 19990721; DE 59907349 T 19990720; HK 00104691 A 20000726; MY PI9902921 A 19990710; SG 1999003289 A 19990708