

Title (en)

Escalator handrail obstruction device with sensors.

Title (de)

Behinderungsvorrichtung für die Handleiste einer Fahrtreppe mit Detektoren.

Title (fr)

Appareil d'obstacle pour la main-courante d'un escalier roulant avec détecteurs.

Publication

EP 0420061 B1 19931103 (EN)

Application

EP 90118194 A 19900921

Priority

- US 41486589 A 19890929
- US 41486689 A 19890929

Abstract (en)

[origin: EP0420061A2] An elastomeric collar is positioned at the mouth of the escalator handrail reentry housing. The collar will deform when subjected to forces running parallel to the direction of travel of the handrail. Sufficient deformation of the collar will activate a switch which turns the escalator off. If an object enters the reentry housing and becomes lodged therein against the handrail, the forces generated thereby normal to the direction of travel of the handrail will activate a pressure sensor which in turn will turn the escalator off.

IPC 1-7

B66B 29/04

IPC 8 full level

B66B 29/04 (2006.01)

CPC (source: EP)

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Cited by

US5465823A; EP0605256A3; NO20181524A1; NO345059B1; EP3309108A1; CN109911751A; US10053337B2; WO9405584A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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EP 90118194 A 19900921; AU 6233590 A 19900910; CA 2025625 A 19900918; CN 90108084 A 19900924; DE 69004395 T 19900921; JP 24993190 A 19900919; SU 4831232 A 19900928