

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)

DE FR GB

DOCDB simple family (publication)

**EP 0420061 A2 19910403; EP 0420061 A3 19910605; EP 0420061 B1 19931103;** AU 617081 B2 19911114; AU 6233590 A 19910411; CA 2025625 A1 19910330; CA 2025625 C 19940614; CN 1030304 C 19951122; CN 1050528 A 19910410; DE 69004395 D1 19931209; DE 69004395 T2 19940505; JP H03120194 A 19910522; JP H0798632 B2 19951025; RU 2015101 C1 19940630

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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