

Title (en)
ESCALATOR WITH STEPS PROVIDING LATERAL SAFETY CONFINEMENTS

Publication
EP 0297233 B1 19910619 (DE)

Application
EP 88106275 A 19880420

Priority
CH 249087 A 19870701

Abstract (en)
[origin: JPS6422795A] PURPOSE: To obliquely move a safety frame to a safe position by forming a wedge-shaped recess having a specified shape in the safety frame at the time of loading the safety frame on a rib and applying a stepping force, to close an air gap between a step and a base plate, to eliminated the influence of dust on the step and to preventing the pulling of clothes. CONSTITUTION: The wedge-shaped recesses 12 and 4 of a safety frame 12 made of elastic plastic are extended on the full length of two ribs 12 and 2 positioned in the outermost side of the safety frame 12, and the base plate 5 side of an escalator is completely closed by closing walls 12 and 6. When the ribs 12 and 2 located in the outermost side of the safety frame 12 are pressed or a load is applied, the safety frame 12 of the step is tilted around rotary shafts 12 and 5 belonging to the wedge-shaped recesses 12 and 4. Following this tilting, the safety ribs 12 and 1 of the safety frame 12 are brought into contact with the base plate 5, and an air gap between the base plate 5 and the step is closed. Thus, the pulling of escalator user's clothes into the air gap is prevented.

IPC 1-7
B66B 23/12

IPC 8 full level
B66B 29/02 (2006.01); **B66B 23/12** (2006.01); **B66B 29/04** (2006.01)

CPC (source: EP US)
B66B 23/12 (2013.01 - EP US)

Cited by
JP2016016931A; EP1116681A1; US4984672A; EP0386512A1; US5082102A; US5242042A; EP0603643A1; FR2789958A1

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