

Title (en)
ESCALATOR SAFETY DEVICE

Publication
EP 0386512 B1 19930728 (DE)

Application
EP 90103154 A 19900219

Priority
CH 88789 A 19890309

Abstract (en)
[origin: EP0386512A1] With this safety device, the dangerous gap between the moving step (1) and the fixed base plate (10) provided on both sides of the step conveyor on which persons can step is covered by means of an elastic plastic lip (6; 7; 8; 9) fastened to the side edges of the step (1) of an escalator in the area of the tread surface (1.1) and the front end (1.2). The plastic lip (6; 7; 8; 9) is part of a plastic insert piece (2; 3; 4; 5) which can be screwed on in corresponding recesses on both sides of the body of the step (1) in the area of the horizontal tread surface (1.1) and in the area of the arched front end (1.2). It adapts itself to the base plate (10) if there are any inaccuracies in the same and has a very low coefficient of friction. The plastic lip (6; 7; 8; 9) is secured to the step (1) in such a way that the clearance space for the passage of the step (1) through a comb arranged at the top and bottom end of the travelling distance of the escalator only has to be increased to a minimum extent, and it can be screwed onto or unscrewed from the step (1) together with the insert piece (2; 3; 4; 5) at any time without the step (1) having to be dismantled from the step conveyor. <IMAGE>

IPC 1-7
B66B 23/12; **B66B 29/02**

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

CPC (source: EP US)
B66B 23/12 (2013.01 - EP US); **B66B 29/02** (2013.01 - EP US)

Cited by
EP1116681A1; EP0603643A1; EP0630850A3; US5695040A; US5150780A

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AT CH DE ES FR GB IT LI

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EP 90103154 A 19900219; AT 90103154 T 19900219; CA 2010856 A 19900223; DE 59002054 T 19900219; ES 90103154 T 19900219; JP 5783690 A 19900308; US 48969290 A 19900307