

Title (en)

NOISE-REDUCTION DOOR SEAL FOR ELEVATORS

Publication

EP 0418510 B1 19930922 (DE)

Application

EP 90114320 A 19900726

Priority

CH 346489 A 19890922

Abstract (en)

[origin: JPH03111394A] PURPOSE: To prevent noise from entering a car from a gap by providing a dynamic soundproof packing for blocking and covering a door sill gap, an ingress beam air gap, a post air gap, and a door leaf air gap. CONSTITUTION: A post air gap 9.1 between a door 3 and a side post 1.1 is sealed by an elastic sealing molding 7.1 fixed to the side of the side post 1.1. An ingress beam seal 10 is composed of a seal support 10.2 fixed on the upper end surface of a door leaf 3, a bristle support 10.1 and a bristle line 10.3, and the bristle line 10.3 is bonded to a bracket 1.3 arranged on the upper side of an abutment 1.2. A slide member 6.2 for guiding a sealing plate 6.1 extending over the full width of the door leaf 3 is provided in a door groove 5.1 of a door sill 5, and a labyrinth seal is formed. Bristle supports 3.6 and bristles 3.5, 3.5 are attached to the facing surfaces of the doors leaves 3, 3, and the bristles are combined with each other in joining. Accordingly, gaps are blocked by respective packings, and the car is soundproofed.

IPC 1-7

B66B 13/30

IPC 8 full level

B66B 11/02 (2006.01); **B66B 13/08** (2006.01); **B66B 13/30** (2006.01); **E06B 5/20** (2006.01)

CPC (source: EP US)

B66B 13/30 (2013.01 - EP US); **B66B 13/308** (2013.01 - EP US); **E06B 5/20** (2013.01 - EP US)

Cited by

CN109209193A; EP0505215A3; DE10006442A1; DE10006442C2; EP0600756A1; CN109184513A; US7984794B2; WO03095351A1; WO2007012694A3; EP3154805B1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0418510 A1 19910327; EP 0418510 B1 19930922; AT E94849 T1 19931015; AU 629689 B2 19921008; AU 6306690 A 19910328; CA 2023771 A1 19910323; CA 2023771 C 20001114; DE 59002830 D1 19931028; ES 2046616 T3 19940201; HK 144394 A 19941223; HU 210207 B 19950228; HU 905057 D0 19910128; HU T56787 A 19911028; JP 2862653 B2 19990303; JP H03111394 A 19910513; NO 176934 B 19950313; NO 176934 C 19950621; NO 904106 D0 19900920; NO 904106 L 19910325; US 5083639 A 19920128; ZA 906387 B 19910529

DOCDB simple family (application)

EP 90114320 A 19900726; AT 90114320 T 19900726; AU 6306690 A 19900921; CA 2023771 A 19900822; DE 59002830 T 19900726; ES 90114320 T 19900726; HK 144394 A 19941215; HU 505790 A 19900817; JP 24366190 A 19900913; NO 904106 A 19900920; US 58383090 A 19900917; ZA 906387 A 19900813