

Title (en)  
Fire-proof shaft door for elevators

Title (de)  
Brandsichere Schachttür für Aufzugsanlagen

Title (fr)  
Porte de palier résistant au feu pour ascenseurs

Publication  
**EP 0548486 B1 19960925 (DE)**

Application  
**EP 92117786 A 19921017**

Priority  
CH 384391 A 19911224

Abstract (en)  
[origin: EP0548486A1] In this fire-proof shaft door, improved heat insulation towards the shaft side is achieved in the event of a fire on the floor side, as a result of which the elevator shaft in case of fire is retained as an escape route for the fire brigade. A door box (24) is arranged on the floor side on a frame (23) carried by a door suspension (14), made of profiled sheet and guided by a guide tongue (22). The door box (24) is filled with heat-insulating zones and heat-insulating mats. Horizontal ribs (28) provided with ventilation holes are arranged on the shaft side on the frame (23). On the shaft side, the ribs (28) carry heat-insulating boards (29) covering the front of the door. The first hollow space (30) formed by the heat-insulating boards (29) at a distance from the frame (23) acts as a natural chimney in which fresh air designated by A circulates. <IMAGE>

IPC 1-7  
**B66B 13/30**; **E06B 5/16**

IPC 8 full level  
**A62C 2/06** (2006.01); **B66B 13/30** (2006.01); **E06B 5/16** (2006.01)

CPC (source: EP US)  
**B66B 13/303** (2013.01 - EP US); **E06B 5/16** (2013.01 - EP US)

Cited by  
CN101932523A; EP1044920A3; EP0803463A1; US5915501A; CN1079075C

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0548486 A1 19930630**; **EP 0548486 B1 19960925**; AT E143340 T1 19961015; AU 3039392 A 19930701; AU 658707 B2 19950427; BR 9205132 A 19930629; CA 2084122 A1 19930625; CA 2084122 C 20030107; CN 1026402 C 19941102; CN 1076169 A 19930915; DE 59207250 D1 19961031; DK 0548486 T3 19970120; ES 2094867 T3 19970201; FI 925632 A0 19921211; FI 925632 A 19930625; FI 97463 B 19960913; FI 97463 C 19961227; HK 1006447 A1 19990226; HU 212220 B 19960429; HU 9204077 D0 19930528; HU T63680 A 19930928; JP H05253313 A 19931005; MX 9207091 A 19930801; NO 302132 B1 19980126; NO 924998 D0 19921223; NO 924998 L 19930625; US 5293962 A 19940315; ZA 929507 B 19930615

DOCDB simple family (application)  
**EP 92117786 A 19921017**; AT 92117786 T 19921017; AU 3039392 A 19921223; BR 9205132 A 19921222; CA 2084122 A 19921130; CN 92114110 A 19921210; DE 59207250 T 19921017; DK 92117786 T 19921017; ES 92117786 T 19921017; FI 925632 A 19921211; HK 98104680 A 19980601; HU 9204077 A 19921221; JP 34042592 A 19921221; MX 9207091 A 19921208; NO 924998 A 19921223; US 99590092 A 19921223; ZA 929507 A 19921208