

Title (en)
HOISTWAY DOOR SEAL STRUCTURE

Title (de)
DICHTUNGSSTRUKTUR FÜR SCHACHTTÜR

Title (fr)
STRUCTURE D'ETANCHEITE POUR PORTE PALIERE

Publication
EP 1040072 A1 20001004 (EN)

Application
EP 97953232 A 19971216

Priority
US 9723104 W 19971216

Abstract (en)
[origin: WO9931002A1] A multiple level building comprising an elevator system in which an elevator car moves between floors within an elevator hoistway which contains a door providing access to the hoistway from a corridor at each floor. Seal structures are provided between the hoistway door and a hoistway wall structure to substantially prevent smoke and gas from passing into or out of the hoistway, and to block water from entering the hoistway. A transverse seal structure has a wall-mounted portion with an angled seal engagement surface relative to the hoistway wall, and a door portion with an angled seal mating surface facing toward the hoistway wall and spaced apart from the seal engaging surface of the wall-mounted portion. A seal is provided between the seal engagement surface and the seal mating surface to seal the transverse space therebetween to prevent smoke and gas to pass therethrough in the event of a fire when the hoistway doors are in the closed position.

IPC 1-7
B66B 13/30

IPC 8 full level
B66B 13/30 (2006.01)

CPC (source: EP)
B66B 13/303 (2013.01)

Citation (search report)
See references of WO 9931002A1

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