

## Title (en)

Air conditioning system for the passenger compartment of high speed elevator cabins

## Title (de)

Einrichtung für die Belüftung des Passagierraumes von schnellaufenden Aufzugskabinen

## Title (fr)

Appareil de conditionnement de l'air du compartiment passagers de cabines d'ascenseurs à grandes vitesses

## Publication

**EP 0545131 B1 19960529 (DE)**

## Application

**EP 92119550 A 19921116**

## Priority

CH 356191 A 19911204

## Abstract (en)

[origin: EP0545131A1] With this air-conditioning system for the passenger compartment of high-speed elevator cabins (1), an air flow produced during travel by the dynamic pressure of the elevator cabin (1) passes into the passenger compartment of the elevator cabin (1) at a low inflow velocity. Several ventilation slots (14) of a ventilation device (13) which lie one above the other and lead into the passenger compartment of the elevator cabin (1) are arranged in the lower part of a ventilation duct (15) extending over the entire height of the elevator cabin (1). The total cross-section of the ventilation slots (14) is roughly twice as large as the cross-section of the ventilation duct (15). The ventilation slots (14) are formed by punched-out portions (18) of a plate girder (16) on which strips (21) of a laminated plastic plate which are additionally cut to size on the passenger-compartment side can be adhesively bonded and on which a perforated reinforcing plate (19) is attached to the rear side at certain spots. The reinforcing plate (19) has perforations (20) which are distanced from the plate girder (16) by folds (24) arranged in the longitudinal direction of the ventilation slots (14). The cross-section of the perforation (20) is at least as large as the cross-section of the associated ventilation slot (14). <IMAGE>

## IPC 1-7

**B66B 11/02**

## IPC 8 full level

**B66B 11/02** (2006.01)

## IPC 8 main group level

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## Cited by

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