

Title (en)
Pressure protection system

Title (de)
Druckschutzsystem

Title (fr)
Système de protection contre la surpression

Publication
EP 0700818 B1 19981209 (DE)

Application
EP 95110470 A 19950705

Priority
DE 4432277 A 19940909

Abstract (en)
[origin: EP0700818A1] The pressure protection system uses rapid-closure pressure protection valves (12,13) with a variable opening cross-section and bypass ventilators (10,11) in parallel with the pressure protection valves having a sharp characteristic gradient. Pref. the opening cross-section of the pressure protection valves is reduced when the railway carriage is sparsely occupied, to allow ingress of the required amount of fresh air, with rapid closure to prevent a pressure wave entering the carriageable, the parallel bypass providing a limited quantity of fresh air sufficient to maintain the air quality within the carriage. Pref. the ventilation is controlled by an electronic microcontroller.

IPC 1-7
B61D 27/00

IPC 8 full level
B61D 27/00 (2006.01)

CPC (source: EP KR)
B61D 27/00 (2013.01 - KR); **B61D 27/0009** (2013.01 - EP)

Cited by
DE102014205742A1; DE102019205084A1; DE10114524A1; DE10114524B4; EP0821204A1; FR2751733A1; EP2433845A1; GB2470974A; GB2470974B; DE19755097C1; DE19649664C1; DE19649664C2; EP0845400A3; EP0845400A2; WO2008107429A1; EP1050446A1; FR2793205A1

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

DOCDB simple family (publication)
EP 0700818 A1 19960313; EP 0700818 B1 19981209; AT E174276 T1 19981215; CN 1136517 A 19961127; DE 4432277 A1 19960314; DE 59504474 D1 19990121; DK 0700818 T3 19990816; ES 2126812 T3 19990401; FI 954227 A0 19950908; FI 954227 A 19960310; JP H08192742 A 19960730; KR 960010432 A 19960420

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