

Title (en)
Fire detection in rail vehicles

Title (de)
Branddetektion in Schienenfahrzeugen

Title (fr)
Détection d'incendie dans des véhicules sur rails

Publication
EP 2544159 A1 20130109 (DE)

Application
EP 12186988 A 20090421

Priority
• EP 09761541 A 20090421
• DE 102008028134 A 20080613

Abstract (en)
The method involves suction of ambient air in a rail vehicle (2) by suction units (10a, 10b) in a monitoring region, where the suction units are operated separately. Monitoring parameters of the suctioned ambient air in the suction units are separately evaluated. A control signal is emitted when a monitoring parameter threshold value is detected in one of the suction units. The ambient air along a monitoring region is suctioned by suction pipes (12a, 14a, 14b) with multiple suction openings, where the suction openings are distributed along an axis. An independent claim is also included for a rail vehicle-fire detection device comprising separately operated suction units.

Abstract (de)
Verfahren zur Detektion von Bränden in Schienenfahrzeugen. Zur sicheren und fehlerreduzierten Branddetektion wird vorgeschlagen, Raumluft in einem Schienenfahrzeug mittels zumindest zwei getrennt voneinander betriebenen Ansaugeinrichtungen in jeweils einem Überwachungsbereich anzusaugen, den Überwachungsparameter der angesaugten Raumluft in den Ansaugeinrichtungen auszuwerten und ein erstes Steuersignal bei Detektion eines Überwachungsparametergrenzwertes in zumindest einer Ansaugeinrichtung auszugeben.

IPC 8 full level
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CPC (source: EP US)
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Citation (applicant)
DE 102007004051 A1 20080731 - FOGTEC BRANDSCHUTZ GMBH & CO [DE]

Citation (search report)
• [XYI] EP 1419804 A1 20040519 - METRO MADRID SA [ES]
• [Y] US 2005093707 A1 20050505 - VAN WINKLE WALLACE T [US], et al
• [Y] EP 1811478 A1 20070725 - HEKATRON VERTRIEBS GMBH [DE]
• [Y] PATENT ABSTRACTS OF JAPAN vol. 2004, 15 January 2004 (2004-01-15)

Designated contracting state (EPC)
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