

Title (en)
AIR CURTAIN

Title (de)
LUFTVORHANG

Title (fr)
RIDEAU D'AIR

Publication
EP 2531778 A1 20121212 (EN)

Application
EP 10805722 A 20101215

Priority
• GB 201001570 A 20100201
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Abstract (en)
[origin: GB2470974A] The invention provides a railway tunnel ventilation apparatus which significantly enhances the piston effect of an underground train moving a column of air from a single track underground tunnel into a station platform area where it is naturally but indirectly replaced by fresh air from the surface. The apparatus comprises a ventilation car V having the same cross-section as a train carriage 100. An onboard air curtain generator draws air from both ends of the car V and ejects it as continuous air curtains extending in use from the outer periphery of the car V to the tunnel internal surface. The air curtains act as a barrier to air flowing past the car V in the space between the carriage and tunnel, so that the air curtain assists in the driving of a column of air ahead of the train.

IPC 8 full level
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CPC (source: EP GB)
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Citation (search report)
See references of WO 2011092448A1

Cited by
CN114575908A

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