

Title (en)
AIR CURTAIN

Title (de)
LUFTVORHANG

Title (fr)
RIDEAU D'AIR

Publication
EP 2531778 B1 20140319 (EN)

Application
EP 10805722 A 20101215

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• 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
B61D 27/00 (2006.01); **E21F 1/00** (2006.01); **F24F 9/00** (2006.01)

CPC (source: EP GB)
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Cited by
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DOCDB simple family (publication)
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