

Title (en)

Apparatus for filtering air in tunnels

Title (de)

Vorrichtung zur Filterung von Luft in Tunneln

Title (fr)

Appareil de filtrage d'air dans les tunnels

Publication

EP 2243925 A1 20101027 (EN)

Application

EP 09425141 A 20090416

Priority

EP 09425141 A 20090416

Abstract (en)

An apparatus for filtering air in tunnels comprises a frame (2), a filtering unit (4) connected to the frame (2), barrier means (21) for creating a barrier designed so that when in use it longitudinally divides a tunnel into two zones, a plurality of intake inlets (10) in fluid communication with the filtering unit (4) for drawing an air flow to be filtered at a face of the barrier and directing it towards the filtering unit (4), and adapting means (17) for varying the barrier configuration between a minimum extension operating configuration and a maximum extension operating configuration so that the apparatus can be used in tunnels which have various cross-sections. The intake inlets (10) are distributed at least along an upper outer portion of the barrier, whatever the operating configuration of the barrier.

IPC 8 full level

E21F 1/00 (2006.01); **E21F 1/08** (2006.01); **E21F 5/20** (2006.01)

CPC (source: EP)

E21F 1/00 (2013.01); **E21F 1/08** (2013.01); **E21F 5/20** (2013.01)

Citation (search report)

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JP2017179854A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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