

Title (en)

AIR PURIFYING APPARATUS, ROAD TUNNEL COMPRISING SAID AIR PURIFYING APPARATUS AND METHOD FOR PURIFYING AIR

Title (de)

LUFTREINIGER, STRASSENTUNNEL MIT DIESEM LUFTREINIGER UND VERFAHREN ZUR LUFTREINIGUNG

Title (fr)

APPAREIL DE PURIFICATION D'AIR, TUNNEL ROUTIER COMPRENANT LEDIT APPAREIL DE PURIFICATION D'AIR ET PROCÉDÉ DE PURIFICATION D'AIR

Publication

EP 3938579 A1 20220119 (EN)

Application

EP 20712706 A 20200311

Priority

- NL 2022717 A 20190311
- NL 2020050157 W 20200311

Abstract (en)

[origin: WO2020185078A1] Passive air purifying apparatus for along the roadside, comprising at least one inlet, and at least one outlet and an air duct connecting the at least one inlet with the at least one outlet, wherein the at least one inlet is positioned along the roadside, wherein the at least one outlet is positioned remote from the roadside, wherein the inlet is provided with a one-way valve that is biased towards a closed position, wherein the bias is such that the one-way valve opens when a valve pressure difference between a side of the one-way valve that faces away from the air duct and a side of the one-way valve that faces towards the air duct exceeds a threshold value, wherein the threshold value is chosen such that an over-pressure generated by a passing vehicle leads to a valve pressure difference that is greater than the threshold value.

IPC 8 full level

E01C 1/00 (2006.01); **E01F 15/04** (2006.01); **E21F 1/00** (2006.01)

CPC (source: EP)

E01C 1/005 (2013.01); **E01F 15/04** (2013.01); **E21B 1/00** (2013.01); **E21F 1/003** (2013.01)

Citation (search report)

- [X] WO 2009058019 A1 20090507 - BLUE TEMPLE B V [NL], et al
- [I] EP 1632607 A1 20060308 - MAKE CHARLOTTE [AT], et al
- [A] NL 2001650 C2 20091208 - BLUE TEMPLE B V [NL]
- [A] WO 2008152795 A1 20081218 - PANASONIC CORP [JP], et al
- See also references of WO 2020185078A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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