

Title (en)

Exhaust gas purification method and system

Title (de)

Abgasreinigungsverfahren und -system

Title (fr)

Procédé et système de purification de gaz d'échappement

Publication

EP 2453114 A1 20120516 (EN)

Application

EP 10191131 A 20101115

Priority

EP 10191131 A 20101115

Abstract (en)

An exhaust gas purification method and system is closed to connect an ozone/negative ion generator (2) to the waste gas exhaust pipe (1) of a motor vehicle or gas water heater by a pipeline and to connect the ozone/negative ion generator (2) to the power source of the motor vehicle or gas water heater so that when the motor vehicle or gas water heater is started, the ozone/negative ion generator (2) generates ozone/negative ions (22) for mixing with the exhausted waste gas to decompose carbon dioxide and other chemical pollutants, purifying the exhausted gas.

IPC 8 full level

F01N 3/029 (2006.01)

CPC (source: EP)

F01N 3/029 (2013.01); **F01N 2240/38** (2013.01)

Citation (search report)

- [X] EP 2147713 A1 20100127 - TOYOTA MOTOR CO LTD [JP]
- [X] JP 2006188988 A 20060720 - DENSO CORP
- [X] DE 202010001327 U1 20100408 - CHEN WEN LO [TW]
- [X] WO 9724515 A1 19970710 - HYUNDAI PRECISION & IND CO LTD [KR], et al

Cited by

US9518489B1; CN110552759A; WO2023225145A1; US11865551B2

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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