

Title (en)

EXHAUST ADDITIVE SUPPLY ARRANGEMENT, INTERNAL COMBUSTION ENGINE, AND VEHICLE

Title (de)

ANORDNUNG ZUR ZUFÜHRUNG VON ADDITIVEN, VERBRENNUNGSMOTOR UND FAHRZEUG

Title (fr)

AGENCEMENT D'ALIMENTATION EN ADDITIF POUR GAZ D'ÉCHAPPEMENT, MOTEUR À COMBUSTION INTERNE ET VÉHICULE

Publication

EP 4112896 A1 20230104 (EN)

Application

EP 22169354 A 20220422

Priority

EP 22169354 A 20220422

Abstract (en)

An exhaust additive supply arrangement (1) is disclosed configured to supply an exhaust additive to a stream of exhaust gas of an internal combustion engine (40). The supply arrangement (1) comprises a nozzle (3) with a nozzle body (5) forming a chamber (7) and a number of supply holes (8). The nozzle body (5) is configured to rotate around a rotation axis (Ax) during operation of the supply arrangement (1). The nozzle (3) comprises a valve arrangement (9) controllable between a first and a second state to open and close a fluid connection between the chamber (7) and a first set (S1) of supply holes (8). The present disclosure further relates to an internal combustion engine (40) and a vehicle (2) comprising an internal combustion engine (40).

IPC 8 full level

F01N 3/20 (2006.01)

CPC (source: EP)

F01N 3/2066 (2013.01); **F01N 2290/04** (2013.01); **F01N 2290/06** (2013.01); **F01N 2610/02** (2013.01); **F01N 2610/1453** (2013.01)

Citation (search report)

- [A] CN 113047927 A 20210629 - HENAN DIESEL ENGINE IND CO LTD
- [A] US 6203770 B1 20010320 - PETER-HOBLYN JEREMY D [GB], et al

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4112896 A1 20230104

DOCDB simple family (application)

EP 22169354 A 20220422