

Title (en)

DEVICE FOR EXHAUST GAS TREATMENT AND METHOD FOR PRODUCTION THEREOF

Title (de)

VORRICHTUNG ZUR ABGASNACHBEHANDLUNG UND VERFAHREN ZUR HERSTELLUNG DIESER

Title (fr)

DISPOSITIF DE TRAITEMENT DE GAZ D'ÉCHAPPEMENT ET SON PROCÉDÉ DE PRODUCTION

Publication

EP 4073360 A1 20221019 (DE)

Application

EP 20821192 A 20201208

Priority

- DE 102019219150 A 20191209
- EP 2020085055 W 20201208

Abstract (en)

[origin: WO202116095A1] The invention relates to a device for the aftertreatment of exhaust gases of an emission source, more particularly of an internal combustion engine, having an exhaust gas tract through which an exhaust gas can flow; at least one catalytic converter, said catalytic converter having a ceramic honeycomb body (1, 5, 8, 12, 15) which is provided with a catalytically active surface coating; and an electrically heatable heating means (3, 7, 9), said heating means (3, 7, 9) being formed by a metallic electric conductor (3, 7, 9), said honeycomb body (1, 5, 8, 12, 15) having a plurality of flow channels that can be flowed through from a gas inlet side (11, 16) to a gas outlet side, said conductor (3, 7, 9) being integrated into the ceramic honeycomb body (1, 5, 8, 12, 15) and being, viewed in the flow direction, arranged downstream of the gas inlet side (11, 16) and upstream of the gas outlet side. The invention also relates to a method for producing a honeycomb body.

IPC 8 full level

F01N 3/20 (2006.01); **F01N 3/022** (2006.01); **F01N 3/027** (2006.01); **F01N 13/00** (2010.01)

CPC (source: EP KR US)

F01N 3/0222 (2013.01 - EP KR); **F01N 3/027** (2013.01 - EP KR); **F01N 3/2006** (2013.01 - EP); **F01N 3/2026** (2013.01 - EP KR US); **F01N 3/2828** (2013.01 - US); **F01N 13/0097** (2014.06 - EP KR); **F01N 2240/16** (2013.01 - EP KR US); **F01N 2330/04** (2013.01 - EP KR US); **Y02T 10/12** (2013.01 - EP KR)

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)

DE 102019219150 A1 20210610; CN 114787486 A 20220722; EP 4073360 A1 20221019; JP 2023504921 A 20230207; JP 7438360 B2 20240226; KR 20220104830 A 20220726; US 2023349310 A1 20231102; WO 202116095 A1 20210617

DOCDB simple family (application)

DE 102019219150 A 20191209; CN 202080085701 A 20201208; EP 2020085055 W 20201208; EP 20821192 A 20201208; JP 2022534748 A 20201208; KR 20227023298 A 20201208; US 202017783524 A 20201208