

Title (en)

METHOD FOR PRODUCING A HONEYCOMB BODY

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES WABENKÖRPERS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN CORPS EN NID D'ABEILLES

Publication

EP 3513046 A1 20190724 (DE)

Application

EP 17771701 A 20170911

Priority

- DE 102016217787 A 20160916
- EP 2017072752 W 20170911

Abstract (en)

[origin: WO2018050597A1] The invention relates to a method for producing a honeycomb body (1) for exhaust gas aftertreatment, wherein the honeycomb body (1) has at least one housing (2) and a honeycomb structure (3) having a plurality of channels (4), wherein the method comprises at least the following steps: a) providing at least one smooth metal plate (5), b) introducing a structure (6) into at least part-regions of the smooth metal plate (5), wherein the structure (6) in at least one first longitudinal section (10) is formed differently from the structure (6) in at least one second longitudinal section (11) of the metal plate (5), c) forming the honeycomb structure (3) by arranging and twisting the at least one structured metal plate (5), such that a first cell density (12) in an inner radial zone (8) is increased by comparison with a second cell density (13) in an outer radial zone (9), d) inserting the honeycomb structure (3) into the housing (2), e) connecting the honeycomb structure (3) to the housing (2).

IPC 8 full level

F01N 3/10 (2006.01); **B01D 53/00** (2006.01); **B01J 35/04** (2006.01); **F01N 3/20** (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP KR US)

B01J 35/56 (2024.01 - US); **B32B 15/00** (2013.01 - EP KR US); **B32B 15/01** (2013.01 - EP); **F01N 3/10** (2013.01 - EP US); **F01N 3/20** (2013.01 - EP US); **F01N 3/281** (2013.01 - EP KR US); **F01N 2330/02** (2013.01 - EP US); **F01N 2330/04** (2013.01 - EP KR US); **F01N 2330/30** (2013.01 - EP US); **F01N 2330/321** (2013.01 - EP KR US); **F01N 2330/48** (2013.01 - EP KR US); **F01N 2330/60** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2018050597A1

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)

WO 2018050597 A1 20180322; CN 109642484 A 20190416; DE 102016217787 A1 20180322; EP 3513046 A1 20190724; JP 2019536607 A 20191219; JP 6733051 B2 20200729; KR 102194364 B1 20201223; KR 20190041528 A 20190422; US 2019211730 A1 20190711

DOCDB simple family (application)

EP 2017072752 W 20170911; CN 201780049291 A 20170911; DE 102016217787 A 20160916; EP 17771701 A 20170911; JP 2019514774 A 20170911; KR 20197009416 A 20170911; US 201716333930 A 20170911