

Title (en)

SUPPORT MATRIX, IN PARTICULAR FOR A CATALYTIC EXHAUST CONVERTER

Publication

EP 0186801 B1 19890628 (DE)

Application

EP 85115376 A 19851204

Priority

DE 8438260 U 19841229

Abstract (en)

[origin: US4665051A] A carrier matrix for a catalytic reactor for the purification of the exhaust gas of internal combustion engines, comprising a flat foil and a corrugated foil arranged in alternating layers. Exhaust gas flows through the ducts formed by the corrugations of the corrugated foil and the flat foil surface. The corrugations have a plurality of segments fluidly connected behind one another in flow direction, but are transversely staggered with respect to flow direction. This staggered arrangement increases the turbulence of the gas flowing through the ducts, thereby increasing the effectiveness of the matrix. The matrix can be manufactured in a simple manner yet permits a good utilization of the catalyst materials coated on the foils.

IPC 1-7

B01J 35/04; F01N 3/28

IPC 8 full level

B01D 53/86 (2006.01); **B01J 35/04** (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP US)

B01J 35/56 (2024.01 - EP US); **F01N 3/281** (2013.01 - EP US); **F01N 3/2821** (2013.01 - EP US); **F01N 2330/02** (2013.01 - EP US); **F01N 2330/322** (2013.01 - EP US); **Y10T 428/12333** (2015.01 - EP US); **Y10T 428/1241** (2015.01 - EP US)

Cited by

FR2625257A1; US5403559A; US5328774A; EP0375986A1; US4842954A; US5820832A; EP0316596A3; US4958428A; US5045403A; US5130208A; DE8811086U1; US4803189A; US4946822A; EP0587074A1; FR2695326A1; US6761980B2; WO9426411A1; WO9101178A1; WO9101807A1; WO0240156A3

Designated contracting state (EPC)

AT DE FR GB IT SE

DOCDB simple family (publication)

EP 0186801 A2 19860709; EP 0186801 A3 19870930; EP 0186801 B1 19890628; AT E44305 T1 19890715; DE 3571263 D1 19890803; DE 8438260 U1 19850411; JP H0328913 Y2 19910620; JP S61115139 U 19860721; US 4665051 A 19870512

DOCDB simple family (application)

EP 85115376 A 19851204; AT 85115376 T 19851204; DE 3571263 T 19851204; DE 8438260 U 19841229; JP 19113085 U 19851213; US 81251085 A 19851223