

Title (en)
CATALYTIC CONVERTER FOR A SMALL-SIZE ENGINE

Title (de)
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Title (fr)
CONVERTISSEUR CATALYTIQUE POUR MOTEUR DE FAIBLE PUISSANCE

Publication
EP 1012455 A2 20000628 (DE)

Application
EP 97950069 A 19971103

Priority

- DE 19646242 A 19961108
- EP 9706044 W 19971103

Abstract (en)
[origin: DE19646242A1] The present invention relates to a catalytic converter for a small-size engine and a method for the production thereof. In order to cut production costs, a honeycomb shaped body, coated with a catalytically active material made out of at least partially structured metal sheets (5, 6) with exhaust gas conduits (7), is placed in the housing of a silencer located close to the engine in order to enable at least the greater part of the exhaust gas from the engine to flow through the honeycomb body. The honeycomb body is a layered, wound or folded pile of metal sheets (5,6) which is squeezed into the silencer housing (3.1, 3.2, 3.3) with a plastic deformation of at least 10 %, preferably 20-30 % of the conduits (7), whereby said body entirely fills at least a partial volume. The considerable deformation that occurs in part of the conduits (7) also leads to high elastic deformation in the rest of the honeycomb body, thereby guaranteeing the stability of the honeycomb body even in the case of alternating thermal strains.

IPC 1-7
F01N 3/28; **F01N 7/00**; **F01N 7/18**

IPC 8 full level
F01N 3/00 (2006.01); **B01J 35/04** (2006.01); **F01N 3/28** (2006.01); **F01N 7/00** (2006.01); **F01N 13/18** (2010.01)

CPC (source: EP KR US)
B01J 35/56 (2024.01 - EP US); **F01N 3/28** (2013.01 - KR); **F01N 3/281** (2013.01 - EP US); **F01N 3/2842** (2013.01 - EP US); **F01N 3/2885** (2013.01 - EP US); **F01N 2330/40** (2013.01 - EP US); **F01N 2450/02** (2013.01 - EP US)

Designated contracting state (EPC)
DE ES FR IT

DOCDB simple family (publication)
DE 19646242 A1 19980514; **DE 19646242 C2 20010222**; AU 5316098 A 19980603; CN 1093908 C 20021106; CN 1258336 A 20000628; DE 59706715 D1 20020425; EP 1012455 A2 20000628; EP 1012455 B1 20020320; ES 2174315 T3 20021101; JP 2001505274 A 20010417; JP 3251299 B2 20020128; KR 100495383 B1 20050614; KR 20000053136 A 20000825; MY 122028 A 20060331; RU 2160371 C1 20001210; TW 364038 B 19990711; US 6403039 B1 20020611; WO 9821453 A2 19980522; WO 9821453 A3 19991223

DOCDB simple family (application)
DE 19646242 A 19961108; AU 5316098 A 19971103; CN 97199558 A 19971103; DE 59706715 T 19971103; EP 9706044 W 19971103; EP 97950069 A 19971103; ES 97950069 T 19971103; JP 52210798 A 19971103; KR 19997004066 A 19990507; MY PI9705066 A 19971027; RU 99111497 A 19971103; TW 86116612 A 19971107; US 30918199 A 19990510