

Title (en)

CONTRACTION LIMITER FOR A HONEYCOMB BODY

Title (de)

KONTRAKTIONSBEGRENZER FÜR EINEN WABENKÖRPER

Title (fr)

LIMITEUR DE CONTRACTION POUR UN CORPS EN NID D'ABEILLES

Publication

**EP 1415073 A1 20040506 (DE)**

Application

**EP 02762396 A 20020725**

Priority

- DE 10137897 A 20010802
- EP 0208286 W 20020725

Abstract (en)

[origin: WO03014544A1] The invention relates to honeycomb bodies, especially those used in the exhaust system of an internal combustion engine, comprising a housing and an especially metal matrix with an average starting diameter, characterized in that the matrix is connected to the housing, whereby at least one contraction limiter which causes an outward directed tensile stress in at least one part of the matrix is provided, whereupon the average starting diameter of the matrix is reduced by 5 %, preferably by a maximum of 2 %, during and/or after thermal impingement.

IPC 1-7

**F01N 3/28**; B01J 35/04

IPC 8 full level

**F01N 1/00** (2006.01); **B01D 53/86** (2006.01); **B01J 32/00** (2006.01); **B01J 35/04** (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP KR US)

**B01J 35/56** (2024.01 - EP US); **F01N 3/28** (2013.01 - KR); **F01N 3/2875** (2013.01 - EP US); **F01N 2330/02** (2013.01 - EP US)

Citation (search report)

See references of WO 03014544A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03014544 A1 20030220**; AT E352708 T1 20070215; CN 1314886 C 20070509; CN 1539053 A 20041020; DE 10137897 A1 20030220; DE 50209361 D1 20070315; EP 1415073 A1 20040506; EP 1415073 B1 20070124; ES 2280564 T3 20070916; JP 2004537414 A 20041216; JP 4716654 B2 20110706; KR 100880755 B1 20090202; KR 20040030918 A 20040409; RU 2004106529 A 20050610; RU 2289025 C2 20061210; US 2004152595 A1 20040805; US 8147763 B2 20120403

DOCDB simple family (application)

**EP 0208286 W 20020725**; AT 02762396 T 20020725; CN 02815208 A 20020725; DE 10137897 A 20010802; DE 50209361 T 20020725; EP 02762396 A 20020725; ES 02762396 T 20020725; JP 2003519250 A 20020725; KR 20047001656 A 20020725; RU 2004106529 A 20020725; US 76302704 A 20040121