

Title (en)

Assembly and exhaust gas treatment device

Title (de)

Anordnung und Abgasverarbeitungsvorrichtung

Title (fr)

Ensemble et dispositif de traitement de gaz d'échappement

Publication

EP 2518288 A1 20121031 (EN)

Application

EP 12163311 A 20120405

Priority

JP 2011089545 A 20110413

Abstract (en)

An assembly in which a holding and sealing member which is formed by combining plural mat members is placed on a circumferential surface of an exhaust gas treatment member. The first mat member 125A has a top end face 148A, a bottom end face 149A and a side end face 150A, and a protrusion part 160 is formed on the side end face 150A. Further, the second mat member 125B has a top end face 148B, a bottom end face 149B and a side end face 150B, and a recess part 170 is formed on the side end face 150B. By fitting the protrusion part 160 and the recess part 170 together, the first mat member 125A and the second mat member 125B are joined together at the side end faces 150A and 150B. the protrusion part 160 of the first mat member 125A has a contour part R1 extending from a point A as a starting point and a contour part R2 extending from a point B as a starting point. The first point A is nearer to the top end face 148A of the first mat member 125A than the second point B. An angle \pm between a line segment P1 starting from the first point A and a line segment P2 passing through the first point A on the first contour part R1 is such that $\pm > 90^\circ$. An angle 2 at the second point B on the second contour part R2 is such that $^2 < 90^\circ$.

IPC 8 full level

F01N 3/28 (2006.01)

CPC (source: EP)

F01N 3/2853 (2013.01)

Citation (applicant)

JP H11173140 A 19990629 - IBIDEN CO LTD

Citation (search report)

- [A] US 2003175177 A1 20030918 - TOSA SHINICHI [JP], et al
- [A] JP 2000240440 A 20000905 - HONDA MOTOR CO LTD
- [A] EP 1776995 A1 20070425 - IBIDEN CO LTD [JP]
- [A] WO 0057041 A1 20000928 - 3M INNOVATIVE PROPERTIES CO [US]

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)

EP 2518288 A1 20121031; EP 2518288 B1 20140514; JP 2012219784 A 20121112; JP 5766494 B2 20150819

DOCDB simple family (application)

EP 12163311 A 20120405; JP 2011089545 A 20110413