

Title (en)

Holding seal material, manufacturing method for holding seal material and exhaust gas purification apparatus

Title (de)

Halteabdichtungsmaterial, Herstellungsverfahren für Halteabdichtungsmaterial und Abgasreinigungsvorrichtung

Title (fr)

Matériau étanche de fixation, procédé de fabrication d'un matériau étanche de fixation et appareil de purification de gaz d'échappement

Publication

**EP 2789733 A1 20141015 (EN)**

Application

**EP 14161516 A 20140325**

Priority

JP 2013081534 A 20130409

Abstract (en)

To provide a holding seal material which, when inserting an exhaust gas treatment around which the holding seal material is wound into a metal casing, prevents easybreakage of an inorganic fiber, enables the exhaust gas treatment unit to be easily housed in the metal casing, and does not easily deviate from the exhaust gas treatment unit. Provided is a holding seal material used in an exhaust gas purification apparatus made up of an exhaust gas treatment unit, a metal casing housing the exhaust gas treatment unit, and the holding seal material made of an inorganic fiber and provided between the exhaust gas treatment unit and the metal casing, in which the holding seal material includes a first principal surface in contact with the metal casing and a second principal surface in contact with the exhaust gas treatment unit, the first principal surface and the second principal surface are soaked with organic binders, and a glass transition temperature of an organic binder A soaked into the first principal surface is higher than a glass transition temperature of an organic binder B soaked into the second principal surface.

IPC 8 full level

**D06M 15/263** (2006.01); **D06M 15/693** (2006.01); **D06M 23/06** (2006.01); **D06M 23/16** (2006.01); **F01N 3/28** (2006.01)

CPC (source: EP)

**F01N 3/2853** (2013.01); **F01N 2450/02** (2013.01)

Citation (applicant)

JP 2002013415 A 20020118 - THREE M INNOVATIVE PROPERTIES

Citation (search report)

- [X] WO 9923370 A1 19990514 - ICI PLC [GB], et al
- [A] EP 1731729 A1 20061213 - IBIDEN CO LTD [JP]
- [A] US 2009041967 A1 20090212 - TOMOSUE NOBUYA [JP], et al
- [A] WO 2006088733 A2 20060824 - 3M INNOVATIVE PROPERTIES CO [US], et al
- [A] EP 1296030 A1 20030326 - IBIDEN CO LTD [JP]

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 2789733 A1 20141015**; **EP 2789733 B1 20151118**; JP 2014202187 A 20141027

DOCDB simple family (application)

**EP 14161516 A 20140325**; JP 2013081534 A 20130409