

Title (en)
EXHAUST GAS TREATMENT ASSEMBLY

Title (de)
ABGASBEHANDLUNGSBAUGRUPPE

Title (fr)
MODULE DE TRAITEMENT DES GAZ D'ÉCHAPPEMENT

Publication
EP 3772574 B1 20221019 (DE)

Application
EP 20185398 A 20200713

Priority
DE 102019121411 A 20190808

Abstract (en)
[origin: CN112343703A] The invention relates to an exhaust gas treatment structural assembly for exhaust equipment of an internal combustion engine, and the structural assembly includes a tubular outer housing (12) elongated in a direction of an outer housing longitudinal axis (LA), a tubular inner housing (14) elongated in the direction of an inner housing longitudinal axis (LI), an exhaust gas treatment unit (16) being carried in the inner housing (14), and a locking fixing device (24) detachably fixing the inner housing in the outer housing. The locking fixing device (24) includes a locking fixing element (26) held at the inner housing (14) in both axial directions with a radially outwards prestressed locking meshing area (28). In association with the locking meshing area (28), a locking receiving area (42) at the outer housing (12), interacts with the locking meshing area (28) for holding the inner housing (14) in the outer housing (12) in at least one axial direction.

IPC 8 full level
F01N 3/08 (2006.01); **F01N 3/021** (2006.01); **F01N 3/28** (2006.01)

CPC (source: CN EP RU US)
F01N 3/0211 (2013.01 - CN EP); **F01N 3/08** (2013.01 - EP); **F01N 3/28** (2013.01 - US); **F01N 3/2839** (2013.01 - EP); **F01N 3/2853** (2013.01 - CN); **F01N 3/2875** (2013.01 - EP); **F01N 13/1805** (2013.01 - RU US); **F01N 13/1844** (2013.01 - US); **F01N 13/185** (2013.01 - CN); **F01N 13/1888** (2013.01 - CN); **F01N 2450/18** (2013.01 - EP US); **F01N 2450/20** (2013.01 - EP); **F01N 2450/30** (2013.01 - EP); **F01N 2470/24** (2013.01 - EP)

Citation (examination)
• DE 10357953 B4 20061026 - EMITEC EMISSIONSTECHNOLOGIE [DE]
• JP S506835 U 19750124

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

DOCDB simple family (publication)
EP 3772574 A1 20210210; **EP 3772574 B1 20221019**; CN 112343703 A 20210209; CN 112343703 B 20230117;
DE 102019121411 A1 20210211; JP 2021025526 A 20210222; JP 7053735 B2 20220412; RU 2750679 C1 20210701;
US 11536179 B2 20221227; US 2021040874 A1 20210211

DOCDB simple family (application)
EP 20185398 A 20200713; CN 202010784071 A 20200806; DE 102019121411 A 20190808; JP 2020134903 A 20200807;
RU 2020120057 A 20200617; US 202016986618 A 20200806