

Title (en)

A METHOD OF AND AN ARRANGEMENT FOR FASTENING A HOT ARTICLE TO A COLD ARTICLE

Title (de)

VERFAHREN UND ANORDNUNG ZUR BEFESTIGUNG EINES HEISSEN ARTIKELS AN EINEM KALTEN ARTIKEL

Title (fr)

PROCÉDÉ ET AGENCEMENT POUR FIXER UN ARTICLE CHAUD À UN ARTICLE FROID

Publication

EP 3516185 A1 20190731 (EN)

Application

EP 16778860 A 20160916

Priority

FI 2016050642 W 20160916

Abstract (en)

[origin: WO2018050952A1] The present invention relates to a method of and a means for fastening an exhaust module (14) of a multi-cylinder internal combustion engine to its support (26) such that the mechanical stresses caused by the thermal expansion of the exhaust module to its feet (24) and the support (26) are avoided by arranging the feet (24) of the exhaust module (14) slide on the support surface (28).

IPC 8 full level

F01N 13/18 (2010.01)

CPC (source: EP KR)

F01N 13/1805 (2013.01 - EP); **F01N 13/1811** (2013.01 - EP KR); **F01N 13/1855** (2013.01 - EP KR); **F01N 2450/24** (2013.01 - EP KR); **F01N 2510/00** (2013.01 - EP KR); **F01N 2590/02** (2013.01 - EP KR)

Citation (search report)

See references of WO 2018050952A1

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)

WO 2018050952 A1 20180322; CN 109642486 A 20190416; CN 109642486 B 20210514; EP 3516185 A1 20190731; EP 3516185 B1 20200812; KR 102134108 B1 20200715; KR 20190039720 A 20190415

DOCDB simple family (application)

FI 2016050642 W 20160916; CN 201680088566 A 20160916; EP 16778860 A 20160916; KR 20197004926 A 20160916