

Title (en)
EXHAUST SYSTEM STRUCTURE OF INTERNAL COMBUSTION ENGINE

Title (de)
STRUKTUR EINES ABGASSYSTEMS FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
STRUCTURE DE SYSTÈME D'ÉCHAPPEMENT DE MOTEUR À COMBUSTION INTERNE

Publication
EP 3327266 A1 20180530 (EN)

Application
EP 17203438 A 20171124

Priority
JP 2016229264 A 20161125

Abstract (en)
An exhaust system structure of an internal combustion engine (40), includes an exhaust manifold (2) which is configured to be connected to a cylinder of the internal combustion engine (40), an exhaust pipe (4) which is provided on a downstream side of an exhaust flow from the exhaust manifold (2), a connection member (1) including a flange portion (10) which connects the exhaust pipe (4) and the exhaust manifold (2) to each other and a boss portion (20) which is provided integrally with the flange portion (10) and is fixed to a portion of an outer circumferential surface of the exhaust pipe (4), a sensor (5) which is attached to the boss portion (20) and is configured to detect components of the exhaust, and a purification device (3) which is connected to a downstream end of the exhaust pipe (4) and is disposed on a side opposite to the boss portion (20) with respect to the exhaust pipe (4).

IPC 8 full level
F01N 13/10 (2010.01); **F01N 13/00** (2010.01); **F01N 13/18** (2010.01)

CPC (source: CN EP US)
F01N 11/00 (2013.01 - CN); **F01N 13/00** (2013.01 - CN); **F01N 13/008** (2013.01 - CN EP US); **F01N 13/08** (2013.01 - CN); **F01N 13/10** (2013.01 - EP US); **F01N 13/105** (2013.01 - EP US); **F01N 13/14** (2013.01 - CN); **F01N 13/1805** (2013.01 - CN); **F01N 13/1855** (2013.01 - EP US); **F01N 2260/20** (2013.01 - EP US); **F01N 2340/02** (2013.01 - EP US); **F01N 2450/16** (2013.01 - CN); **F01N 2450/22** (2013.01 - EP US); **F01N 2450/24** (2013.01 - EP US); **F01N 2560/026** (2013.01 - CN)

Citation (search report)

- [XY] JP 2010001869 A 20100107 - HONDA MOTOR CO LTD
- [XAY] US 2013133311 A1 20130530 - SHIMIZU KOUHEI [JP], et al
- [Y] JP 2004052546 A 20040219 - HONDA MOTOR CO LTD
- [Y] JP 2006299927 A 20061102 - CALSONIC KANSEI CORP

Citation (examination)
JP H04127829 U 19921120

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 3327266 A1 20180530; CN 108104930 A 20180601; JP 2018084220 A 20180531; US 2018149065 A1 20180531

DOCDB simple family (application)
EP 17203438 A 20171124; CN 201711193484 A 20171124; JP 2016229264 A 20161125; US 201715821949 A 20171124