

Title (en)
CONNECTION MEMBER OF EXHAUST PIPE

Title (de)
VERBINDUNGSELEMENT EINES ABGASROHRS

Title (fr)
ÉLÉMENT DE CONNEXION D'UN TUYAU D'ÉCHAPPEMENT

Publication
EP 3327265 A1 20180530 (EN)

Application
EP 17203387 A 20171123

Priority
JP 2016229265 A 20161125

Abstract (en)
A connection member (1) for connecting an exhaust manifold (2) and an exhaust pipe (4) of an internal combustion engine (40), includes a flange portion (10), a boss portion (20) and an attachment portion (30). The flange portion (10) has a plate shape with an opening (11) configured to be fixed to the exhaust pipe (4) in a state where the opening (11) communicates with the exhaust pipe (4). The boss portion (20) is provided to bulge from the flange portion (10) on an outside of the opening (11) in a radial direction of the opening (1), is configured so that a sensor (5) configured to detect components of the exhaust is attached to the boss portion (20), and is configured to be fixed to a portion of an outer circumferential surface of the exhaust pipe (4). The attachment portion (30) protrudes from the flange portion (10) and is configured so that a protection member (8) which covers the exhaust pipe (4) is attached to the attachment portion (30).

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 13/008 (2013.01 - CN EP US); **F01N 13/10** (2013.01 - EP US); **F01N 13/1805** (2013.01 - CN US); **F01N 13/1855** (2013.01 - EP US); **F01N 13/105** (2013.01 - EP US); **F01N 2260/20** (2013.01 - EP US); **F01N 2340/02** (2013.01 - EP US); **F01N 2450/22** (2013.01 - EP US); **F01N 2450/24** (2013.01 - EP US)

Citation (applicant)
JP 2012211556 A 20121101 - DAIHATSU MOTOR CO LTD

Citation (search report)
• [YA] US 2013133311 A1 20130530 - SHIMIZU KOUHEI [JP], et al
• [YDA] JP 2012211556 A 20121101 - DAIHATSU MOTOR CO LTD
• [A] JP 2010031768 A 20100212 - MITSUBISHI MOTORS CORP
• [A] JP 2015048724 A 20150316 - HONDA MOTOR CO LTD

Cited by
CN113950572A

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)
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DOCDB simple family (application)
EP 17203387 A 20171123; CN 201711200648 A 20171124; JP 2016229265 A 20161125; US 201715821899 A 20171124