

Title (en)
Structure for attaching exhaust gas sensor

Title (de)
Struktur zur Befestigung eines Abgassensors

Title (fr)
Structure de fixation de capteur de gaz d'échappement

Publication
EP 2453121 A3 20150304 (EN)

Application
EP 11188020 A 20111107

Priority
JP 2010251442 A 20101110

Abstract (en)
[origin: EP2453121A2] An exhaust gas collecting groove 64 extending in a direction of a flow of an exhaust gas is provided to an inner wall of an exhaust port 40 between an outlet port 43 and an exhaust pipe attachment portion 74 in a cylinder head 31 of an internal combustion engine 2, the outlet port 43 being an upstream entrance to the exhaust port 40, the exhaust pipe attachment portion 74 being an exhaust port exit, and the exhaust gas sensor 62 is attached in a way that a front end portion of the exhaust gas sensor 62 is situated in the rear of the exhaust gas collecting groove 64.

IPC 8 full level
F02D 41/14 (2006.01); **F01N 13/00** (2010.01); **F01N 13/10** (2010.01); **F02B 61/02** (2006.01); **F02B 77/08** (2006.01)

CPC (source: EP)
F01N 13/008 (2013.01); **F01N 13/10** (2013.01); **F02B 61/02** (2013.01); **F02B 77/086** (2013.01); **F02D 41/1439** (2013.01); **F01N 2560/025** (2013.01); **F01N 2590/04** (2013.01)

Citation (search report)

- [A] JP H11200913 A 19990727 - HONDA MOTOR CO LTD
- [A] JP 2010007645 A 20100114 - HONDA MOTOR CO LTD
- [A] US 2002023436 A1 20020228 - AKIWA TOSHIHIRO [JP], et al

Cited by
CN103674554A; EP2987972A1; EP2987973A1

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 2453121 A2 20120516; EP 2453121 A3 20150304; EP 2453121 B1 20180530; AU 2011239341 A1 20120524; AU 2011239341 B2 20130328; CN 102465786 A 20120523; CN 102465786 B 20140820; ES 2685078 T3 20181005; JP 2012102662 A 20120531; JP 5554687 B2 20140723

DOCDB simple family (application)
EP 11188020 A 20111107; AU 2011239341 A 20111026; CN 201110344664 A 20111104; ES 11188020 T 20111107; JP 2010251442 A 20101110