Title (en)
  Exhaust gas recirculation system

Title (de)
  Abgasrückführungssystem

Title (fr)
  Système de recyclage de gaz d'échappement

Publication
  EP 2322787 A2 20110518 (EN)

Application
  EP 10190514 A 20101109

Priority
  JP 2009259242 A 20091112

Abstract (en)
  An exhaust gas recirculation system includes an induction passageway (23) through which fresh air flows and an annular flow path (62) extending in a circumferential direction of the induction passageway (23) and formed in an annular shape. The annular flow path (62) encompasses the induction passageway (23) therein. An inlet port (63) is formed between the induction passageway (23) and the annular flow path (62) and communicates the induction passageway with the annular flow path. An exhaust gas introduction flow path (80) is communicated with the annular flow path (62) and introduces the exhaust gases into the annular flow path (62) so that the exhaust gases flow in one direction of the circumferential direction. The annular flow path (62) has an inner face facing the inlet port (63), and the inner face has a width (w2) in a direction crossing the one direction. An upstream side of the width (w2) is shorter than a downstream side of the width (w2) with respect to a flow of the exhaust gasses which flows into the annular flow path (62) from the exhaust gas introduction flow path (80).

IPC 8 full level
  F02M 25/07 (2006.01)

CPC (source: EP)
  F02M 26/05 (2016.02); **F02M 26/06** (2016.02); **F02M 26/19** (2016.02); F02M 26/15 (2016.02); F02M 26/23 (2016.02); F02M 26/35 (2016.02)

Citation (applicant)
  • JP 3114564 U 20051027
  • JP 2000161147 A 20000613 - NISSAN MOTOR

Cited by
  CN106150770A; GB2535996A; GB2535996B; JP2016180339A

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 2322787 A2 20110518; **EP 2322787 A3 20150304**; **EP 2322787 B1 20180905**; CN 102062022 A 20110518; CN 102062022 B 20130522; JP 2011106292 A 20110602; JP 5152155 B2 20130227

DOCDB simple family (application)
  EP 10190514 A 20101109; CN 201010543169 A 20101112; JP 2009259242 A 20091112