

Title (en)
Exhaust gas recirculation system

Title (de)
Abgasrückführungssystem

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

Publication
EP 2322787 A3 20150304 (EN)

Application
EP 10190514 A 20101109

Priority
JP 2009259242 A 20091112

Abstract (en)
[origin: EP2322787A2] 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 (search report)

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Designated contracting state (EPC)
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EP 10190514 A 20101109; CN 201010543169 A 20101112; JP 2009259242 A 20091112