

Title (en)
Intake conduit with integrated exhaust gas recirculation

Title (de)
Saugrohr mit integrierter Abgasrückführung

Title (fr)
Conduit d'aspiration avec recirculation intégrée de gaz d'échappement

Publication
EP 1122421 B1 20090819 (DE)

Application
EP 01100348 A 20010105

Priority
DE 10004552 A 20000202

Abstract (en)
[origin: JP2001241367A] PROBLEM TO BE SOLVED: To devise such a method that thermal conductivity to a casing of a suction pipe remarkably reduces, in the result, the suction pipe can be manufactured of plastic, for example, and suction in the collecting chamber 12 cools exhaust gas in exhaust gas conduits 17a, 17b, and so a temperature of a mixture of suctioned and exhausted gases in a suction passage does not exceed a dangerous temperature for a plastic wall 20a even with a high exhaust gas returning ratio, so that other load reduction of a plastic casing, especially of the suction passage can be obtained. SOLUTION: An exhausted gas returning mechanism 16, 17a, 17b is mostly placed in a collecting chamber 12 of a suction pipe, and is separated apart at a distance (a) from a wall 20a of the suction pipe.

IPC 8 full level
F02M 35/104 (2006.01); **F02B 75/22** (2006.01); **F02M 26/12** (2016.01); **F02M 26/18** (2016.01); **F02M 26/19** (2016.01); **F02M 26/41** (2016.01); **F02M 35/10** (2006.01)

CPC (source: EP US)
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Citation (examination)
• US 4249382 A 19810210 - BROWN WILLIAM L JR [US], et al
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