

Title (en)
Intake and exhaust conduits.

Title (de)
Ein- und Auslassleitungen.

Title (fr)
Tubulures d'admission et d'échappement.

Publication
EP 0422370 B1 19940504 (DE)

Application
EP 90116342 A 19900827

Priority
DE 3934232 A 19891013

Abstract (en)
[origin: EP0422370A1] These intake and exhaust conduits of an in-line internal combustion engine fitted transversely into a motor vehicle are arranged with fixing flanges (16-19) on a longitudinal side of the cylinder head - Uniflow principle - and form an integrally cast standard unit. At the same time each intake conduit (7-10) and exhaust conduit (11-14) of these intake and exhaust conduits are paired on the fixing flanges. Between the intake and exhaust conduits thus structured, thermal expansion slots (25-27) are provided in the fixing plates. <IMAGE>

IPC 1-7
F02M 35/10

IPC 8 full level
F02M 35/10 (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)
F02M 35/10072 (2013.01); **F02M 35/10078** (2013.01); **F02M 35/10131** (2013.01); **F02M 35/10288** (2013.01); **F02M 35/112** (2013.01); **F02B 2075/027** (2013.01); **F02M 35/10327** (2013.01)

Cited by
EP0542452A1; US7044116B2; US7174948B2; WO03036214A1

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