

Title (en)
Intake manifold for an internal combustion engine with one cylinder head.

Title (de)
Ansaugkrümmer für eine Verbrennungskraftmaschine mit einem Zylinderkopf.

Title (fr)
Collecteur d'admission pour un moteur à combustion interne avec une culasse.

Publication
EP 0576729 B1 19951108 (DE)

Application
EP 92121543 A 19921218

Priority
DE 4221913 A 19920703

Abstract (en)
[origin: EP0576729A1] Intake manifold for an internal combustion engine with one cylinder head, comprising at least one intake pipe (1) with an intake flange (2) for gas-tight fixing on the cylinder head, a bypass line (3) being provided for feeding a secondary gas into an intake port of an internal combustion engine and it being possible to feed the gas into the bypass line (3) by means of a connection (4). The bypass line (3) is formed by a groove (5) of the intake flange (2), open in the direction of the cylinder head, and the connection (4) is connected to the one end and the intake port to the other end of the groove (5). <IMAGE>

IPC 1-7
F02M 35/10; **F02M 23/00**; **F02M 25/06**; **F02M 25/07**

IPC 8 full level
F02M 69/32 (2006.01); **F02M 23/00** (2006.01); **F02M 25/06** (2006.01); **F02M 25/07** (2006.01); **F02M 35/10** (2006.01); **F02M 35/104** (2006.01)

CPC (source: EP US)
F02M 35/10078 (2013.01 - EP US); **F02M 35/10131** (2013.01 - EP US); **F02M 35/10222** (2013.01 - EP US); **F02M 35/10321** (2013.01 - EP US); **F02M 35/112** (2013.01 - EP US); **F05C 2225/08** (2013.01 - EP US)

Cited by
EP1672210A3; DE19523870A1; DE102011111124A1; DE19546545A1; DE19546545B4; CN104074645A; WO9734081A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0576729 A1 19940105; **EP 0576729 B1 19951108**; DE 4221913 C1 19940127; DE 59204268 D1 19951214; JP 2643774 B2 19970820; JP H0674113 A 19940315; US 5341772 A 19940830

DOCDB simple family (application)
EP 92121543 A 19921218; DE 4221913 A 19920703; DE 59204268 T 19921218; JP 16463593 A 19930702; US 8828793 A 19930706