

Title (en)
INTERNAL COMBUSTION ENGINE MULTI BRANCH EXHAUST PIPE

Publication
EP 0355489 B1 19920304 (DE)

Application
EP 89114153 A 19890801

Priority
• DE 3832509 A 19880924
• DE 8810816 U 19880826

Abstract (en)
[origin: EP0355489A1] A branched exhaust pipe of an internal-combustion engine (1) has two pipe branches (5, 6), which lead to a primary catalyst (4) and form a bypass to the latter, respectively. The corresponding division of the exhaust gas stream is effected with the aid of bimetal tongues (10a, 10b), which assume the respectively desired position as a function of the temperature of the exhaust gas stream. The primary catalyst (4) is thus only supplied while the exhaust pipe is still cold; overheating of the primary catalyst, which reaches its operating temperature rapidly at low mass flow, is thus excluded due to the automatic blocking of the pipe branch leading to the primary catalyst. <IMAGE>

IPC 1-7
F01N 3/20; **F01N 3/28**

IPC 8 full level
F01N 3/20 (2006.01); **F01N 3/28** (2006.01); **F01N 13/02** (2010.01)

CPC (source: EP)
F01N 3/2053 (2013.01); **F01N 13/009** (2014.06); **F01N 2410/02** (2013.01)

Cited by
DE4311574A1; DE4218834A1; US5229080A; DE19742762C1; US5234668A; EP1188909A3; US5318757A; EP0378797A1; EP0465183A1; DE10343468B4; US5204066A; US5286460A; US5229079A; US5200154A; EP0905355A2; EP0563882B1

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