

Title (en)
INJECTOR FOR FUEL INJECTION

Title (de)
INJEKTOR ZUR KRAFTSTOFFEINSPRITZUNG

Title (fr)
INJECTEUR D'INJECTION DE CARBURANT

Publication
EP 1504187 A1 20050209 (DE)

Application
EP 03735282 A 20030506

Priority
• DE 0301448 W 20030506
• DE 10220931 A 20020510

Abstract (en)
[origin: WO03095825A1] The invention relates to an injector for injecting fuel into a combustion chamber in an internal combustion engine. Said injector comprises an injector body (2), an injector needle (3) and a control device (13) in order to control pressure in a control chamber (4) for actuating the injector needle. The injector also comprises a supply throttle (6) and a discharge throttle (7) which are fluidically connected to the control chamber (4). The discharge throttle (7) and the supply throttle (6) are arranged in a throttle module (5) embodied as a separate component.

IPC 1-7
F02M 47/02; **F02M 61/16**; **F02M 61/04**

IPC 8 full level
F02M 47/00 (2006.01); **F02M 47/02** (2006.01); **F02M 59/46** (2006.01); **F02M 61/04** (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)
F02M 47/027 (2013.01); **F02M 61/04** (2013.01); **F02M 61/168** (2013.01); **F02M 63/0015** (2013.01); **F02M 63/0035** (2013.01); **F02M 2200/16** (2013.01); **F02M 2200/21** (2013.01); **F02M 2547/003** (2013.01)

Citation (search report)
See references of WO 03095825A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 03095825 A1 20031120; DE 10220931 C1 20031127; DE 50306665 D1 20070412; EP 1504187 A1 20050209; EP 1504187 B1 20070228; JP 2005529267 A 20050929

DOCDB simple family (application)
DE 0301448 W 20030506; DE 10220931 A 20020510; DE 50306665 T 20030506; EP 03735282 A 20030506; JP 2004503793 A 20030506