

Title (en)
Fuel injector

Title (de)
Brennstoffeinspritzdüse

Title (fr)
Injecteur de carburant

Publication
EP 1566539 B1 20090114 (DE)

Application
EP 05405036 A 20050125

Priority
• EP 05405036 A 20050125
• EP 04405099 A 20040223

Abstract (en)
[origin: EP1566539A1] The fuel injection nozzle for an internal combustion engine comprises a nozzle body (2), nozzle head (3), and a nozzle needle (7) inside the body and interacting with a valve seat (8) by its end. The nozzle body has a longitudinal bore (32) extending from the valve seat through the nozzle head. The ratio of the length (L) of the longitudinal bore and its flow diameter comes to at least 17, preferably at least 20, and especially more than 22. An independent claim is included for a diesel engine, especially a two-stroke large diesel engine, equipped with the proposed fuel injection nozzle.

IPC 8 full level
F02M 61/18 (2006.01); **F02M 61/00** (2006.01); **F02M 61/04** (2006.01); **F02M 61/14** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP KR)
F02M 61/14 (2013.01 - EP); **F02M 61/16** (2013.01 - EP); **F02M 61/18** (2013.01 - EP KR); **F02M 61/1806** (2013.01 - EP)

Cited by
EP2031237A1; EP3267027A1; WO2008005491A3

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