

Title (en)

Dual jet fuel injection nozzle with parallel cores and air gaps for internal combustion injection engines

Title (de)

Doppelstrahl-Kraftstoffeinspritzdüse mit parallelen Kernen und Luftspalten für Einspritzbrennkraftmaschinen

Title (fr)

Injecteur de carburant "bi-jet" à noyaux et entrefers en parallèle, pour moteur à combustion interne alimenté par injection

Publication

EP 0692624 B1 19980204 (FR)

Application

EP 95401647 A 19950707

Priority

FR 9408645 A 19940712

Abstract (en)

[origin: EP0692624A1] The injector comprises a single control winding (3) and two parallel cores (5,6), with an armature (4), each core defining one of two magnetic air gaps (7,8) which are parallel and variable. The first core (5) is pressed against its spring (10) so that its shutter (13) exposes a calibrated hole (15) when there is a first level of current in the winding. The second core (6) is pressed against its spring (16) so that its shutter (18) exposes the second calibrated hole (19) when the winding is supplied with current at a higher level than the first current level. <IMAGE>

IPC 1-7

F02M 51/06

IPC 8 full level

F02M 51/06 (2006.01); **F02M 51/08** (2006.01)

CPC (source: EP)

F02M 51/0625 (2013.01); **F02M 51/0667** (2013.01)

Cited by

US6510841B1; US6698674B2; WO0125614A1; WO0206663A1; WO0216760A1

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DOCDB simple family (publication)

EP 0692624 A1 19960117; **EP 0692624 B1 19980204**; DE 69501571 D1 19980312; DE 69501571 T2 19980702; ES 2112023 T3 19980316; FR 2722538 A1 19960119; FR 2722538 B1 19960920

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