

Title (en)

Fuel injection control device, engine and straddle type vehicle

Title (de)

Kraftstoffeinspritzsteuervorrichtung, Motor und Grätschsitze-Fahrzeug

Title (fr)

Dispositif de contrôle d'injection de carburant, moteur et véhicule de type à enfourcher

Publication

**EP 1975397 B1 20130612 (EN)**

Application

**EP 08250576 A 20080219**

Priority

JP 2007039260 A 20070220

Abstract (en)

[origin: EP1975397A1] A fuel injection control device provides improvements in engine output, fuel efficiency and throttle response while reducing smoke emissions. If a throttle opening exceeds a prescribed value (a) and an engine load is in a prescribed high load range, an in-pipe injection by an in-pipe injector is used together in addition to an in-cylinder injection by an in-cylinder injector. In a low load range, in which an engine load is smaller than in the high load range, only the in-cylinder injection by the in-cylinder injector is used.

IPC 8 full level

**F02D 41/30** (2006.01)

CPC (source: EP)

**F02D 41/3029** (2013.01); **F02D 41/3094** (2013.01)

Cited by

EP2249010A3; EP3282113A4; CN104047752A; US9309827B2; US10018140B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1975397 A1 20081001**; **EP 1975397 B1 20130612**; EP 2093404 A2 20090826; EP 2093404 A3 20120613; JP 2008202493 A 20080904

DOCDB simple family (application)

**EP 08250576 A 20080219**; EP 09004419 A 20080219; JP 2007039260 A 20070220