

Title (en)
CDI-PIEZOELECTRIC SYSTEM FOR USE IN SCOOTERS AND MOPEDS

Title (de)
PIEZOELEKTRISCHES CDI-SYSTEM FÜR MOTORROLLER UND MOTORRÄDER

Title (fr)
SYSTÈME D'INJECTION DIRECTE À RAMPE COMMUNE POUR TURBODIESEL (CDI) PIÉZOÉLECTRIQUE POUVANT S'APPLIQUER À DES SCOOTERS ET À DES CYCLOMOTEURS

Publication
EP 2253831 A1 20101124 (EN)

Application
EP 09703854 A 20090126

Priority
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Abstract (en)
A feed system with CDI technology with piezoelectric injector is described, similar to those used in the engines of conventional motor vehicles, designed for use in scooters and mopeds with a cubic capacity of 100 to 400 cc, both single-cylinder and two-cylinder, wherein the elements and mechanisms that integrate said system are manufactured from a material composed of a reinforced aluminium alloy compound, having pistons with a pre-chamber, four valves per cylinder, dual intake manifolds and a higher compression ratio, affording advantages over conventional engines such as increased performance, significant difference in high pressure of the fuel, with variable injection momentum and pressure, a particularly fine spray of fuel, very moderate fuel consumption, a low environmental pollution index and other similar advantages.

IPC 8 full level
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CPC (source: EP ES)
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Cited by
WO2018179583A1; WO2012083459A1; JP2018162770A

Designated contracting state (EPC)
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DOCDB simple family (publication)
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EP 09703854 A 20090126; CN 200980110645 A 20090126; ES 200800196 A 20080125; ES 2009000037 W 20090126