

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
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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)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

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DOCDB simple family (publication)
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