

Title (en)

VALVE, IN PARTICULAR FUEL INJECTION VALVE

Title (de)

VENTIL, INSBESONDERE KRAFTSTOFFEINSPRITZVENTIL

Title (fr)

SOUPAPE, EN PARTICULIER SOUPAPE D'INJECTION DE CARBURANT

Publication

EP 1880101 B1 20120516 (DE)

Application

EP 06725242 A 20060322

Priority

- EP 2006060959 W 20060322
- DE 102005020365 A 20050502

Abstract (en)

[origin: WO2006117266A1] A valve, preferably a fuel injection valve for internal combustion engines, comprises a housing (1) in which is arranged a movable valve element (5) whose surface has at least one section (7; 15) provided with a wear-reducing coating (40). The coated surface section (7; 15) is exposed during operation of the valve to repeated friction or impact stresses, a rounded edge (36; 38; 39) being formed inside and/or at the border of the coated partial surface (7; 15).

IPC 8 full level

F02M 61/16 (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP)

F02M 61/1873 (2013.01); **F02M 2200/02** (2013.01); **F02M 2200/9038** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102005020365 A1 20061109; CN 101171421 A 20080430; EP 1880101 A1 20080123; EP 1880101 B1 20120516; WO 2006117266 A1 20061109

DOCDB simple family (application)

DE 102005020365 A 20050502; CN 200680015177 A 20060322; EP 06725242 A 20060322; EP 2006060959 W 20060322