

Title (en)

INJECTION VALVE WITH A CORROSION-INHIBITING, WEAR-RESISTANT COATING AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

EINSPRITZVENTIL MIT KORROSIONSHEMMENDER VERSCHLEISSFESTER BESCHICHTUNG UND VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

SOUPAPE D'INJECTION MUNIE D'UN REVETEMENT EMPECHANT LA CORROSION ET RESISTANT A L'USURE, ET SON PROCEDE DE PRODUCTION

Publication

EP 1588046 A1 20051026 (DE)

Application

EP 03750313 A 20030903

Priority

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- DE 10246230 A 20021004

Abstract (en)

[origin: WO2004033895A1] An injection valve (1) for injecting water, especially into the gas flow of fuel cells, comprising a valve needle (19) with a valve sealing body (21) which is joined on the spray side end thereof and which is embodied on a valve seat body (29), interacting to form a tight seat. Downstream from the tight seat is a spray opening (7). At least one part of the surfaces of the injection valve (1) which enter into contact with water, is coated with a corrosion-inhibiting and/or wear-resistant layer (33).

IPC 1-7

F02M 61/18; B05B 1/00

IPC 8 full level

B05B 1/30 (2006.01); **F02M 51/06** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)

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Citation (search report)

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