

Title (en)
HALL-EFFECT PLASMA THRUSTER

Title (de)
HALL-EFFEKT PLASMA-ANTRIEB

Title (fr)
PROPULSEUR PLASMIQUE A EFFET HALL

Publication
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Application
EP 10770585 A 20100917

Priority
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Abstract (en)
[origin: CA2774006A1] The invention relates to a Hall-effect plasma thruster including: an annular discharge channel around a main axis, having an open downstream end defined between an inner wall and an outer wall; at least one cathode; a magnetic circuit for creating a magnetic field in the channel; a conduit for supplying the channel with ionisable gas; an anode; and a distributor placed in the upstream end of the channel, said distributor allowing the ionisable gas to flow into the ionisation area of the channel in a concentric manner around the main axis. The invention is characterised in that the anode acts as a distributor and the distributor comprises directional means that generate a swirling flow of gas around the main axis at the output of the anode.

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F03H 1/00 (2006.01)

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