

Title (en)
IONIC PUMP WITH PERFORATED ANODE

Title (de)
IONENPUMPE MIT DURCHLÖCHERTER ANODE

Title (fr)
POMPE IONIQUE A ANODE AJOUREE

Publication
EP 0857352 A1 19980812 (FR)

Application
EP 96937347 A 19961028

Priority
• FR 9601685 W 19961028
• FR 9512726 A 19951027

Abstract (en)
[origin: WO9715943A1] Said pump is comprised of at least a pumping unit comprising an anode (2) having a set of juxtaposed conductor cylinders (4) and two cathodes (6, 8) placed on either side of the anode and made of a metal which, when the pump is in operation, forms on the anode a deposit capable of adsorbing and absorbing the gas, a fluid-tight wall housing (18) wherein is placed each pumping unit and which is provided with an opening (20) through which the gas can penetrate and an internal region in the extension of said opening. In at least one pumping unit facing said region, the side-wall (5) of at least one portion of the anode cylinders is perforated, the side perforations of said cylinders are directly facing the region, and for each perforated cylinder, the perforated surface of the respective cylinder is lower than 30 % of the total side surface of that same cylinder. Application to accelerators of particles and to ultravacuum or high vacuum housings.

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Citation (search report)
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