Title (en)

METHOD FOR LOWERING THE PRESSURE IN A CHARGE-DISCHARGE LOCK AND ASSOCIATED EQUIPMENT

Title (de)

VERFAHREN ZUM HERABSETZEN DES DRUCKS IN EINER LADE-ENTLADE-VERRIEGELUNG UND DIESBEZÜGLICHE GERÄTE

Title (fr)

PROCEDE DE DESCENTE EN PRESSION DANS UN SAS DE CHARGEMENT ET DE DECHARGEMENT ET EQUIPEMENT ASSOCIE

Publication

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Application

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Abstract (en)

[origin: WO2010070240A1] The invention relates to a method for lowering the pressure in a device charge-discharge lock from atmospheric pressure to a sub-atmospheric transfer pressure, said lock comprising a chamber in which at least one substrate is arranged at atmospheric pressure, said method comprising: a first step (101), in which first primary pumping is carried out from atmospheric pressure to a first characteristic threshold, using a primary pump with limited pumping rate, while isolating a turbomolecular pumping of said chamber; a second step (102) following said first step (101), in which a second primary pumping is carried out, faster than in said first step, to a second characteristic threshold, maintaining the isolation of the turbomolecular pumping; a third step (103) following said second step (102), in which secondary pumping is performed using said turbomolecular pumping upstream from the first pumping, and the primary pump chamber is isolated. The invention also relates to a device for implementing the method.

IPC 8 full level

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