

Title (en)

METHOD FOR PUMPING IN A SYSTEM OF VACUUM PUMPS AND SYSTEM OF VACUUM PUMPS

Title (de)

VERFAHREN ZUM PUMPEN IN EINEM SYSTEM AUS VAKUUMPUMPEN UND SYSTEM AUS VAKUUMPUMPEN

Title (fr)

MÉTHODE DE POMPAGE DANS UN SYSTÈME DE POMPES À VIDE ET SYSTÈME DE POMPES À VIDE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2015144254A1] A pumping system and method comprising: a dry primary screw vacuum pump (3) having a gas inlet orifice (2) connected to a vacuum chamber (1) and a gas outlet orifice (4) that opens into a duct (5) before leading into the gas outlet (8) of the pumping system (SP), a non-return valve (6) positioned in the duct (5) between the gas outlet orifice (4) and the gas outlet (8), and an ejector (7) connected in parallel to the non-return valve (6). The dry primary screw vacuum pump (3) is started up in order to pump the gases contained in the vacuum chamber (1) through the gas outlet orifice (4). Simultaneously, the ejector (7) is supplied with pump fluid, and the ejector (7) continues to be supplied with pump fluid for the entire time that the dry primary screw vacuum pump (3) pumps the gases contained in the vacuum chamber (1) and/or for the entire time that the dry primary screw vacuum pump (3) maintains a defined pressure in the vacuum chamber (1).

IPC 8 full level

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