

Title (en)  
PUMPING SYSTEM FOR GENERATING A VACUUM AND METHOD FOR PUMPING BY MEANS OF THIS PUMPING SYSTEM

Title (de)  
PUMPSYSTEM ZUR VAKUUMERZEUGUNG UND VERFAHREN ZUM PUMPEN MIT DIESEM PUMPSYSTEM

Title (fr)  
SYSTEME DE POMPAGE POUR GENERER UN VIDE ET PROCEDE DE POMPAGE AU MOYEN DE CE SYSTEME DE POMPAGE

Publication  
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Application  
**EP 14781160 A 20141002**

Priority  
EP 2014071197 W 20141002

Abstract (en)  
[origin: WO2016050313A1] Pumping system for generating a vacuum (SP), comprising a main vacuum pump which is a vane pump (3) having a gas intake side (2) connected to a vacuum chamber (1) and a gas delivery side (4) that leads into a gas discharge duct (5) that discharges the gases to a gas exhaust outlet (8) for exhausting the gases from the pumping system. The pumping system comprises a non-return valve (6) positioned between the gas delivery side (4) and the gas exhaust outlet (8), and an auxiliary vacuum pump (7) connected in parallel with the non-return valve. The main vacuum pump (3) is started up in order to pump the gases contained in the vacuum chamber (1) and to deliver these gases through its gas delivery side (4), and at the same time the auxiliary vacuum pump (7) is started up and continues to pump for the entire time that the main vacuum pump (3) pumps the gases contained in the vacuum chamber (1) and/or for the entire time that the main vacuum pump (3) maintains a defined pressure in the vacuum chamber (1).

IPC 8 full level  
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