

Title (en)

VACUUM PUMP WITH BALLAST GAS VALVE

Title (de)

VAKUUMPUMPE MIT BALLASTGASVENTIL

Title (fr)

POMPE À VIDE POURVUE DE SOUPAPE DE GAZ DE BALLAST

Publication

EP 3483448 B1 20200513 (DE)

Application

EP 17201444 A 20171113

Priority

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Abstract (en)

[origin: JP2019113060A] To easily change a ballast gas amount which is supplied at each unit time by a simple method.SOLUTION: In a vacuum pump having a pump body (16), the inside of the pump body (16) is defined into a pump space, a ballast gas supply control valve is arranged in the pump space at the outside of the pump body (16), the valve has an air inlet port (46) and an air discharge port (48), a first channel and a second channel (58) are formed in the pump body (16), inlets (60) of the channels (58) are oriented to the valve, outlets of the channels (58) arrive at the pump space, the valve is adjustable between a first release state and a second release state, and the air discharge port (48) is adjusted by the inlet (60) of the first channel (58) in the first release state, and adjusted by the inlet (60) of the second channel (58) in the second release state.SELECTED DRAWING: Figure 2

IPC 8 full level

F04B 39/10 (2006.01); **F04B 39/12** (2006.01); **F04C 25/02** (2006.01); **F04C 28/24** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)

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Cited by

EP4174316A1; CN112761955A; CN113982948A; EP3636879A1

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