

Title (en)
SPLIT FLOW VACUUM PUMP AND VACUUM SYSTEM WITH A SPLIT FLOW VACUUM PUMP

Title (de)
SPLITFLOW-VAKUUMPUMPE SOWIE VAKUUM-SYSTEM MIT EINER SPLITFLOW-VAKUUMPUMPE

Title (fr)
POMPE À VIDE À DÉBIT PARTAGÉ ET SYSTÈME À VIDE DOTÉ D'UNE POMPE À DÉBIT PARTAGÉ

Publication
EP 3112688 B1 20190612 (DE)

Application
EP 15174844 A 20150701

Priority
EP 15174844 A 20150701

Abstract (en)
[origin: JP2017020502A] PROBLEM TO BE SOLVED: To provide a split flow vacuum pump capable of increasing a number of inlets without increasing a number of disposed pump stages.SOLUTION: A split flow vacuum pump has at least three radial inlets and at least four pump stages, where at least one pump stage is formed as a turbo molecular pump stage, and at least three inlets are formed as main inlets and axially disposed between the pump stages. Additionally, at least one radial sub-inlet (27, 28, 52) is disposed, and the sub-inlet is disposed in a region of the at least one turbo molecular pump stage (21, 22, 44, 45, 46).SELECTED DRAWING: Figure 1

IPC 8 full level
F04D 19/04 (2006.01); **F04D 29/053** (2006.01); **F04D 29/52** (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP)
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Cited by
CN106678058A; EP3441617A1; GB2604382A; EP3767109A1; US11037773B2

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