

Title (en)
Vacuum pump stage

Title (de)
Vakuumpumpstufe

Title (fr)
Etage de pompe à vide

Publication
EP 2385257 B1 20171018 (DE)

Application
EP 11002911 A 20110407

Priority
DE 102010019940 A 20100508

Abstract (en)
[origin: EP2385257A2] The vacuum pump riser (100) has an inlet (104), an outlet (106), a rotor (112) and a channel (108). A rotor section is provided with design elements (114,116), by which the pumping action is operated in molecular flow range according to Gaede principle and within a higher pressure range according to a side channel principle. An independent claim is also included for a vacuum pump, which has a high vacuum side pump riser and an atmospheric side pump riser.

IPC 8 full level
F04D 17/16 (2006.01); **F04D 19/04** (2006.01); **F04D 23/00** (2006.01)

CPC (source: EP)
F04D 17/168 (2013.01); **F04D 19/04** (2013.01); **F04D 19/046** (2013.01); **F04D 23/008** (2013.01)

Cited by
EP2886870A1; US2015167679A1; EP2886870B1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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