

Title (en)  
Vacuum pump

Title (de)  
Vakuumpumpe

Title (fr)  
Pompe à vide

Publication  
**EP 1067290 A3 20010411 (DE)**

Application  
**EP 00112483 A 20000613**

Priority  
DE 19930952 A 19990705

Abstract (en)  
[origin: EP1067290A2] The vacuum pump has two parallel single or multiple stage gas friction pumps (6,7) and a multiple stage pump (8) connected after them. The sub-flows passing via the two gas friction pumps are fed via connecting elements to ejection regions (23,24) and then to an ejection vol. (25) connected via pipelines to the suction chamber (27) of the next pump stage so that the next stage performs further compression and delivers the gas to another ejection vol.

IPC 1-7  
**F04D 19/04**; **F04D 29/26**

IPC 8 full level  
**F04D 17/16** (2006.01); **F04D 19/04** (2006.01); **F04D 29/22** (2006.01); **F04D 29/26** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP US)  
**F04D 17/168** (2013.01 - EP US); **F04D 19/044** (2013.01 - EP US); **F04D 19/046** (2013.01 - EP US); **F04D 23/008** (2013.01 - EP US)

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Designated contracting state (EPC)  
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