

Title (en)  
VACUUM PUMP WITH A SUCTION BRANCH VALVE, AND METHOD FOR ITS OPERATION

Publication  
**EP 0084085 B1 19850807 (DE)**

Application  
**EP 82109589 A 19821016**

Priority  
DE 3150033 A 19811217

Abstract (en)  
[origin: US4483667A] A vacuum pump comprises a suction nipple valve including a cylinder, a piston slidably received therein and a movable valve closing member operatively connected to the piston. The vacuum pump further has a pressure medium conduit having a first end communicating with the cylinder; an inlet opening at a second end of the conduit for pressure medium to flow through the inlet opening to the piston; a control arrangement for closing and opening the inlet opening dependent upon run or standstill of the vacuum pump. In the closed state of the inlet opening an oil quantity is maintained above the inlet opening.

IPC 1-7  
**F04C 27/02**

IPC 8 full level  
**F04C 25/02** (2006.01); **F04C 27/02** (2006.01); **F04C 28/24** (2006.01); **F04C 29/02** (2006.01)

CPC (source: EP US)  
**F04C 27/02** (2013.01 - EP US); **F04C 28/24** (2013.01 - EP US); **F04C 29/02** (2013.01 - EP US)

Cited by  
DE102013210854A1; EP0597732A1; US5419689A; EP0277924A3

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**EP 0084085 A1 19830727**; **EP 0084085 B1 19850807**; DE 3150033 A1 19830714; DE 3265261 D1 19850912; JP H0324594 B2 19910403; JP S58107894 A 19830627; US 4483667 A 19841120

DOCDB simple family (application)  
**EP 82109589 A 19821016**; DE 3150033 A 19811217; DE 3265261 T 19821016; JP 21850382 A 19821215; US 45042382 A 19821216