

Title (en)  
Piston vacuum pump

Title (de)  
Kolbenvakuumpumpe

Title (fr)  
Pompe à vide à piston

Publication  
**EP 2196671 B1 20180124 (DE)**

Application  
**EP 09014531 A 20091120**

Priority  
DE 102008061897 A 20081211

Abstract (en)  
[origin: EP2196671A2] The piston vacuum pump (1) has a cylinder sleeve (22) and a stroke piston (24) which is movably arranged in the cylinder sleeve. A seal (48) is arranged in the stroke piston for sealing a chamber between the stroke piston, cylinder sleeve and a drive. The drive operates a periodic movement of the stroke piston. A cooling medium stays in contact with the cylinder sleeve in heat-transferring manner.

IPC 8 full level  
**F04B 37/14** (2006.01); **F04B 39/00** (2006.01); **F04B 39/06** (2006.01); **F04B 39/12** (2006.01); **F04B 53/14** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)  
**F04B 37/14** (2013.01); **F04B 39/0005** (2013.01); **F04B 39/06** (2013.01); **F04B 39/064** (2013.01); **F04B 39/126** (2013.01); **F04B 53/143** (2013.01); **F04B 53/166** (2013.01)

Cited by  
EP2908010A3; US9869312B2; WO2023175119A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

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**EP 2196671 A2 20100616; EP 2196671 A3 20160706; EP 2196671 B1 20180124**; DE 102008061897 A1 20100617

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