

Title (en)
Two-shaft vacuum pump

Title (de)
Zweiwellige Vakuumpumpe

Title (fr)
Pompe à vide à deux arbres

Publication
EP 2194276 B1 20200909 (DE)

Application
EP 09014529 A 20091120

Priority
DE 102008060539 A 20081204

Abstract (en)
[origin: EP2194276A2] The vacuum pump has two shafts (10,14) and two pistons (12,16) which are connected with the shafts respectively. The vacuum pump has a drive which displaces the shaft in rotation and a bearing (22,24,26,28) for rotatable support of the shaft. A releasing structure is provided between the piston and the bearing.

IPC 8 full level
F04C 18/12 (2006.01); **F04C 28/28** (2006.01)

CPC (source: EP)
F04C 18/126 (2013.01); **F04C 28/28** (2013.01); **F04C 29/0071** (2013.01); **F04C 2240/20** (2013.01)

Citation (examination)
• US 4662826 A 19870505 - NITTA MICHIO [JP], et al
• US 6068452 A 20000530 - OKADA MASAHIKO [JP], et al
• EP 1719929 A1 20061108 - VALEO THERMAL SYS JAPAN CO [JP]
• EP 1793080 A1 20070606 - PFEIFFER VACUUM GMBH [DE]
• DE 19807923 A1 19981112 - LUK FAHRZEUG HYDRAULIK [DE]

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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