

Title (en)
Vacuum pump

Title (de)
Vakuumpumpe

Title (fr)
Pompe à vide

Publication
EP 1953389 A2 20080806 (DE)

Application
EP 08100412 A 20080114

Priority
DE 102007005216 A 20070129

Abstract (en)
The vacuum pump has an external housing, which separates pump inner area from pump outer area and in which an outlet is formed for the medium to connect the pump inner area with the pump outer area. A permanent opening of the outlet (3) is realized by a hole (15) in the valve body (9) and the outer circumference area (14) of the valve body lies completely on the external housing (1).

Abstract (de)
Vakuumpumpe wobei eine permanente Öffnung der Austrittsöffnung (3) durch ein Loch (15) im Ventilkörper (9) realisiert ist und den Außenumfangsbereich (14) des Ventilkörpers (9) vollständig auf dem Außengehäuse (1) aufliegt.

IPC 8 full level
F04C 29/12 (2006.01); **F04C 18/344** (2006.01)

CPC (source: EP)
F04C 29/128 (2013.01); **F04C 18/344** (2013.01); **F04C 2220/10** (2013.01)

Citation (applicant)
• DE 1123076 B 19620201 - LEYBOLDS NACHFOLGER E
• DE 10227772 A1 20030109 - LUK AUTOMOBILTECH GMBH & CO KG [DE]
• WO 2007003215 A1 20070111 - VHIT SPA [IT], et al
• EP 0206154 A2 19861230 - BARMAG BARMER MASCHF [DE]

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EP2908011A1; US11268514B2; WO2013139570A3; WO2010112114A3; WO2015124415A1; CN106030114A; US2017009770A1; JP2017503965A; US11047391B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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DE 102007005216 B4 20150730

DOCDB simple family (application)
EP 08100412 A 20080114; DE 102007005216 A 20070129