

Title (en)
Motor vehicle vacuum pump

Title (de)
Kfz-Vakuumpumpe

Title (fr)
Pompe à vide de véhicule automobile

Publication
EP 3034779 B1 20180214 (DE)

Application
EP 14198815 A 20141218

Priority
EP 14198815 A 20141218

Abstract (en)
[origin: WO2016096288A1] The invention relates to a vacuum pump (1) for a motor vehicle, comprising a single-piece rotor main part (2) which can be driven by an engine and which has at least one axial bearing portion (21) and an axial slide portion (22). The bearing portion (21) of the rotor main part (2) is rotatably mounted on a pump housing (3), and at least one rotary slide (4) which is mounted in a radially movable manner and which is operatively connected to the pump housing (3) is arranged in the slide portion (22) of the rotor main part (2). The aim of the invention is to increase the efficiency of the vacuum pump. This is achieved in that at least the slide portion (22) of the rotor main part (2) is designed as a hollow body (20) with a single flow chamber (24).

IPC 8 full level
F01C 21/08 (2006.01); **F04C 18/344** (2006.01); **F04C 25/02** (2006.01)

CPC (source: EP)
F01C 21/08 (2013.01); **F04C 18/344** (2013.01); **F04C 25/02** (2013.01); **F04C 2230/21** (2013.01); **F04C 2240/20** (2013.01); **F04C 2270/10** (2013.01)

Cited by
US10774647B2

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3034779 A1 20160622; **EP 3034779 B1 20180214**; WO 2016096288 A1 20160623

DOCDB simple family (application)
EP 14198815 A 20141218; EP 2015076856 W 20151117