

Title (en)
Improved monovane vacuum pump

Title (de)
Verbesserte Einschaufelvakuumpumpe

Title (fr)
Pompe à vide à aube unique améliorée

Publication
EP 2249040 A3 20130710 (EN)

Application
EP 10160464 A 20100420

Priority
GB 0907606 A 20090501

Abstract (en)
[origin: EP2249040A2] A vacuum pump (10) for use in automotive applications having a casing (12) defining a chamber (14), a rotor (26) rotatably mounted within the chamber (14) and a vane (40) slidably mounted in a slot (32) on the rotor (26). The vane (40) is formed from a single piece of material having a planar centre portion (42) and curved ends (44) where the curved ends (44) are turned towards one another. Each curved end (44) has a contact portion which contacts the chamber wall (18), the contact portion being intermediate the centre portion (42) and the tip of said single piece of material distal to the centre portion (42).

IPC 8 full level
F04C 18/344 (2006.01)

CPC (source: EP)
F01C 21/0809 (2013.01); **F04C 18/3441** (2013.01); **F04C 2220/10** (2013.01)

Citation (search report)

- [IY] WO 2006056162 A1 20060601 - LUK AUTOMOBILTECH GMBH & CO KG [DE], et al
- [YA] EP 1666707 A1 20060607 - SHARUDENKO ANDREY YURYEYEVICH [RU], et al
- [A] DE 102006016242 B3 20070920 - JOMA HYDROMECHANIC GMBH [DE]
- [A] AT 505061 A1 20081015 - TCG UNITECH SYSTEMTECHNIK GMBH [AT]

Cited by
CN108883684A; EP2987951A1; CN106536855A; US9803642B2; WO2016026556A1; US10837283B2

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

Designated extension state (EPC)
AL BA ME RS

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