

Title (en)
VACUUM PUMP AND MEMBER USED FOR VACUUM PUMP

Title (de)
VAKUUMPUMPE UND ELEMENT FÜR DIE VAKUUMPUMPE

Title (fr)
POMPE À VIDE ET ORGANE UTILISÉ POUR POMPE À VIDE

Publication
EP 2472120 A4 20170802 (EN)

Application
EP 10811581 A 20100531

Priority
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Abstract (en)
[origin: EP2472120A1] To provide a vacuum pump in which possibilities of decreased exhaust performance and gas leakage at the time of breakage of a rotor are lessened, in the case where a rotating part closes the inside opening portion of an exhaust outlet portion to decrease the height dimension of the vacuum pump, and further a connector lead wire is installed easily. An inside opening edge portion of a gas discharge passage for combining the downstream space of the rotor with the exhaust outlet portion is caused to take a shape such that the opening edge portion has no blind portion when a gas exhaust passage forming member is viewed from at least either of an upper side or an oblique upper side, or from at least either of a lower side or an oblique lower side. Furthermore, the inner corner portion of this opening edge portion is formed into a rounded shape to reduce stress concentration. Also, a base is provided with a groove for combining a lead wire installing hole with a hole in the central part, and further the corners of these parts are formed into a rounded shape.

IPC 8 full level
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Citation (search report)
• [AD] JP 2008163857 A 20080717 - SHIMADZU CORP
• [XI] US 6866472 B2 20050315 - OKUDERA SATOSHI [JP], et al
• [A] US 2005220607 A1 20051006 - ADAMIETZ RALF [DE], et al
• [A] JP H0414793 U 19920206
• [XI] DE 7121095 U 19721123
• [A] DE 102007053980 A1 20090514 - PFEIFFER VACUUM GMBH [DE]
• See references of WO 2011024528A1

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