

Title (en)
Rotary vacuum pump.

Title (de)
Rotationsvakuumpumpe.

Title (fr)
Pompe à vide, rotative.

Publication
EP 0280984 A1 19880907 (FR)

Application
EP 88102560 A 19880222

Priority
FR 8702490 A 19870225

Abstract (en)
[origin: US4808067A] A rotary vacuum pump comprising a stator (1) and a rotor (2), the rotor being rotated inside the stator and the stator including a suction inlet (11) and an exhaust outlet orifice (12), wherein the suction end of the rotor carries at least one wheel (13) having sloping vanes (14) such that any solid particles that may be sucked in are projected thereby in a radial direction towards an annular stator collector tank (15) having a circular opening (16) opening out into the stator cavity (6) and situated in the plane in which said particles are projected by said vanes (14).

Abstract (fr)
Pompe à vide, rotative comprenant un stator (1) et un rotor (2), le rotor étant entraîné en rotation à l'intérieur du stator et le stator comportant une entrée d'aspiration (11) et un orifice de sortie de refoulement (12), caractérisée en ce que le rotor porte, côté aspiration, au moins une roue (13) munie d'ailettes inclinées (14) de façon à projeter radialement d'éventuelles particules solides aspirées vers un réservoir collecteur statorique annulaire (15) comportant une ouverture circulaire (16) débouchant dans la cavité (6) du stator et située dans le plan de projection desdites particules par lesdites ailettes (14).

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F04D 19/04; **F04D 29/70**

IPC 8 full level
F04D 19/04 (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP US)
F04D 19/042 (2013.01 - EP US); **F04D 29/526** (2013.01 - EP US); **F04D 29/701** (2013.01 - EP US)

Citation (search report)

- [A] FR 2310481 A1 19761203 - RAVA EDOARDO [IT]
- [A] US 3827482 A 19740806 - POPE R
- [A] US 1958145 A 19340508 - ANTHONY JONES WILLIAM
- [A] DD 109918 B
- [A] CH 132105 A 19290331 - KUENDIG B A [CH]

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EP0775829A1; EP1811176A4; US6193461B1; WO0046508A1; WO9827342A1

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