

Title (en)

Single-stage liquid ring vacuum pump with suction and discharge manifold integrated in the central body.

Title (de)

Einstufige Flüssigkeitsringvakuumpumpe mit Saug- und Druckleitungen im zentralen Gehäuse integriert.

Title (fr)

Pompe à vide à anneau liquide monoétagée avec tubulures d'aspiration et de refoulement intégrées au corps central.

Publication

EP 1855010 A1 20071114 (EN)

Application

EP 06425318 A 20060511

Priority

EP 06425318 A 20060511

Abstract (en)

A single-stage liquid-ring vacuum pump having a double axial inlet with flat-distribution plates comprises a central body (2), an impeller (5) eccentrically housed in a chamber (4) delimited by the central body (2), a flanged suction manifold (15) in fluid communication with two suction openings (8) located at opposite ends of the central body (2), a flanged exhaust manifold (17) in fluid communication with two exhaust openings (9) located at opposite ends of the central body (2). The flanged suction manifold (15), flanged exhaust manifold (17) and feed manifold are integrated into the central body (2), so as to reduce weights and bulkiness as compared with the pumps of the known art, the pump performance being the same.

IPC 8 full level

F04C 19/00 (2006.01)

CPC (source: EP US)

F04C 19/005 (2013.01 - EP US); **F04C 2240/30** (2013.01 - EP US)

Citation (search report)

- [A] DE 4301907 A1 19940728 - SIEMENS AG [DE]
- [A] DE 878432 C 19530601 - SIEMENS AG
- [A] DE 29723208 U1 19980528 - SIEMENS AG [DE]

Cited by

CN105179242A; WO2016206064A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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DOCDB simple family (application)

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