

Title (en)
GAEDE-TYPE VACUUM PUMP

Publication
EP 0378163 A3 19901010 (FR)

Application
EP 90100362 A 19900109

Priority
FR 8900152 A 19890109

Abstract (en)
[origin: EP0378163A2] Pump comprising a stator (1) and a rotor (2) rotationally driven inside the stator, the stator comprising an intake inlet (12) and a delivery outlet (13), characterised in that the rotor, in its working part located between the intake and the delivery, is of semi-spherical shape (9) and is arranged inside a similarly semi-spherical cavity (10) of the rotor, the axis DELTA of the said rotor merging with the axis of the semi-spherical cavity of the stator, the intake occurring on the side of the great circle of the semi-spherical rotor through the radial play (ja) between the rotor and the stator and the delivery on the side of the top of the semi-spherical rotor, an adjusting shim (14) positioning the rotor (2) axially in relation to the stator (1) in such a way that the radial play on the delivery jr is less than the radial play on the intake ja. <IMAGE>

IPC 1-7
F04D 19/04

IPC 8 full level
F04D 19/04 (2006.01)

CPC (source: EP US)
F04D 19/04 (2013.01 - EP US)

Citation (search report)

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- [A] FR 1293546 A 19620518 - ALSACIENNE CONSTR MECA
- [A] US 1810083 A 19310616 - HARALD NORINDER ERNST
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Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL

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EP 0378163 A2 19900718; EP 0378163 A3 19901010; EP 0378163 B1 19930915; AT E94620 T1 19931015; DE 69003256 D1 19931021;
DE 69003256 T2 19940113; ES 2045570 T3 19940116; FR 2641582 A1 19900713; FR 2641582 B1 19910322; JP H02227598 A 19900910;
US 5011368 A 19910430

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