

Title (en)

Rotary positive displacement pump.

Title (de)

Verdrängungspumpe mit rotierendem Kolben.

Title (fr)

Pompe rotative à déplacement positif.

Publication

**EP 0502684 A1 19920909 (EN)**

Application

**EP 92301781 A 19920302**

Priority

GB 9104514 A 19910304

Abstract (en)

A mechanical vacuum pump comprising at least one pumping chamber having mounted therein on respective contra rotatable shafts a pair of "claw" type rotors arranged for pumping gas through the chamber during a pump cycle from an inlet port to an outlet port, each rotor having a substantially circular hub portion about the shaft one surface of which communicates with a wall of the chamber containing a port but with a part of the hub portion cut away for opening and closing the port at predetermined intervals of the pump cycle and a claw portion extending substantially radially from the hub portion, wherein the surface of at least one rotor which communicates with the port is enlarged relative to the remainder of the rotor, and to the hub portion in particular, and orifice means are provided therein for communication with the port. <IMAGE>

IPC 1-7

**F04C 18/12**

IPC 8 full level

**F04C 18/18** (2006.01); **F04C 18/12** (2006.01); **F04C 25/02** (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP)

**F04C 18/123** (2013.01)

Citation (search report)

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- [X] US 3723031 A 19730327 - BROWN A
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Designated contracting state (EPC)

CH DE FR GB IT LI

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DOCDB simple family (application)

**EP 92301781 A 19920302**; GB 9104514 A 19910304; JP 4718292 A 19920304