

Title (en)
Vane pump.

Title (de)
Flügelzellenpumpe.

Title (fr)
Pompe à palettes.

Publication
EP 0679808 A3 19960731 (DE)

Application
EP 95106067 A 19950424

Priority
• DE 4415214 A 19940426
• DE 19504773 A 19950214

Abstract (en)
[origin: EP0679808A2] The pump has its internal contour (26) divided into three equally sized sections (40,42,44) within the pump chambers (28',28"). The first section forms a suction area (30), the second section forms a pressure area (32), and the third section forms a separating area (36) between the other two sections. Each section occupies an area having an angle of 60 deg. The impeller (20) has six vanes (24) which are located on the rotor circumference at relative distances of 60 deg. The pump chambers merge into each other without erratic changes in the radial speed progression of the vane movement. <IMAGE>

IPC 1-7
F04C 2/344

IPC 8 full level
F04C 2/344 (2006.01)

CPC (source: EP US)
F04C 2/3446 (2013.01 - EP US)

Citation (search report)
• [Y] US 3340816 A 19670912 - PATEL HIRALAL V
• [DY] EP 0151983 A2 19850821 - TOYODA MACHINE WORKS LTD [JP]
• [A] FR 2199339 A5 19740405 - LUCAS INDUSTRIES LTD [GB]
• [A] GB 863162 A 19610315 - SCAIFE COMPANY

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CN1096570C

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0679808 A2 19951102; EP 0679808 A3 19960731; EP 0679808 B1 19991013; JP 3865414 B2 20070110; JP H0842463 A 19960213; US 5702242 A 19971230

DOCDB simple family (application)
EP 95106067 A 19950424; JP 10100095 A 19950425; US 42941795 A 19950426