

Title (en)
PUMP

Title (de)
PUMPE

Title (fr)
POMPE

Publication
EP 1144867 A2 20011017 (DE)

Application
EP 99952361 A 19990813

Priority
• DE 9902508 W 19990813
• DE 29823904 U 19980813

Abstract (en)
[origin: WO0009887A2] The invention relates to a pump for delivering a fluid, especially a vane-cell pump, comprising a delivery device (1) which is accommodated in a casing (2). The casing (2) is closed on one side by a casing cover (3), and the other side is connected to a bearing flange (4). An input shaft (11) passes through the bearing flange (4), the delivery device (1) and optionally through the casing cover (3). In addition, said input shaft is mounted in a passage which is configured in the bearing flange (4) and optionally configured in the casing cover (3). A side plate (16, 17) which is supported against the inner wall, and which centers the delivery device (1) in the casing (3) is respectively arranged between the delivery device (1) and the inner wall of the bearing flange (4) and optionally of the casing cover (3). The aim of the invention is to provide an easy centering of the side plate (16, 17), especially while reducing reference tolerances with regard to the casing (2). To this end, the side plate (16, 17) is centered directly in the passage for the input shaft (11) on the side facing the bearing flange (4).

IPC 1-7
F04C 2/00

IPC 8 full level
F04C 2/344 (2006.01); **F03C 2/00** (2006.01); **F04C 2/00** (2006.01); **F04C 15/00** (2006.01)

IPC 8 main group level
F04C (2006.01)

CPC (source: EP US)
F01C 21/108 (2013.01 - EP US); **F04C 2230/603** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0009887 A2 20000224; WO 0009887 A3 20020425; DE 19981556 B4 20100318; DE 19981556 D2 20010613; EP 1144867 A2 20011017; EP 1144867 A3 20020911; EP 1144867 B1 20031112; JP 2002542416 A 20021210; JP 4452406 B2 20100421; US 6413063 B1 20020702

DOCDB simple family (application)
DE 9902508 W 19990813; DE 19981556 T 19990813; EP 99952361 A 19990813; JP 2000565300 A 19990813; US 76212001 A 20010202