

Title (en)

Flow control plate especially for a vane pump

Title (de)

Steuerscheibe insbesondere für eine Flügelzellenpumpe

Title (fr)

Plaque de réglage, notamment pour pompe à palettes

Publication

EP 1178211 B1 20041103 (DE)

Application

EP 01118547 A 20010801

Priority

DE 10037468 A 20000801

Abstract (en)

[origin: EP1178211A2] The cam plate comprises a pressure port (3), a suction port (4) and a bleed facility in the form of a slot-type cut-out (6) in a side face of the cam plate. The bleed slot has a continuously changing cross section over its length. The pressure port and suction port are arc-shaped, while the bleed slot may be curved or linear in form. The bleed slot ends in a through-hole formed in the cam plate. The depth of the bleed slot corresponds to the depth of the pressure port in the cam plate. The bleed slot extends over approximately a quarter of the circumference of the cam plate. An Independent claim is included for a cell vane pump equipped with the proposed cam plate.

IPC 1-7

F04C 2/344; **F04C 15/02**

IPC 8 full level

F04C 2/344 (2006.01); **F04C 15/00** (2006.01); **F04C 15/06** (2006.01)

CPC (source: EP)

F01C 21/108 (2013.01); **F04C 2/3441** (2013.01); **F04C 15/06** (2013.01); **F04C 2220/20** (2013.01)

Cited by

WO2008148472A1; EP2999094B1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1178211 A2 20020206; **EP 1178211 A3 20030108**; **EP 1178211 B1 20041103**; DE 10037468 A1 20020214; DE 50104360 D1 20041209

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