

Title (en)  
Vane pump

Title (de)  
Flügelzellenpumpe

Title (fr)  
Pompe à palettes

Publication  
**EP 0816681 A2 19980107 (DE)**

Application  
**EP 97110379 A 19970625**

Priority  
DE 19626206 A 19960629

Abstract (en)  
At least one of the side plates (11,13) is of technical ceramic. One of the side plates acts as pressure plate (11) and is thicker than or is equal in thickness to an opposite side plate acting as wear plate (13). In the side surfaces of at least one side plate facing and/or turned away from the rotor (15) formations are provided for the installation of the side plates, the conveyance of a fluid and/or the influence of the vane movements and which by means of a press tool in the unfired state of the side plates can be inserted in the side surfaces. The side plates are made of aluminium oxide ceramic.

Abstract (de)  
Die Erfindung betrifft eine Flügelzellenpumpe mit einem Gehäuse, in dem ein mit in etwa radialer Richtung beweglichen Flügeln versehener Rotor zwischen zwei Seitenplatten innerhalb eines Konturrings rotiert. Es ist vorgesehen, daß wenigstens eine der Seitenplatten (11,13) aus technischer Keramik besteht. <IMAGE>

IPC 1-7  
**F04C 2/344**

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

CPC (source: EP)  
**F01C 21/108** (2013.01); **F04C 2/3446** (2013.01); **F04C 15/0023** (2013.01)

Citation (applicant)  
DE 3312868 A1 19841018 - GLYCO ANTRIEBSTECHNIK GMBH [DE]

Cited by  
DE102004030473B4; WO0194787A1; WO2005001291A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0816681 A2 19980107**; **EP 0816681 A3 19980715**; DE 19626206 A1 19980108; JP H1068390 A 19980310

DOCDB simple family (application)  
**EP 97110379 A 19970625**; DE 19626206 A 19960629; JP 17377497 A 19970630