

Title (en)

Internal gear pump

Title (de)

Innenzahnradpumpe

Title (fr)

Pompe à engrènement interne

Publication

EP 0549929 B1 19960228 (FR)

Application

EP 92120960 A 19921209

Priority

DE 4142799 A 19911226

Abstract (en)

[origin: US5299923A] An internal gear pump having the following characteristics: an internal gear; a pinion which meshes with the internal gear and is mounted eccentrically with regard to the internal gear; a shaft supporting the pinion; a central ring-shaped housing part encompassing the internal gear and pinion and comprising a suction socket as well as a pressure socket; on both sides of the central housing part, a ring-shaped housing intermediate part each by which the shaft is supported; a cutout provided in each intermediate part and extending bow-shaped in peripheral direction; a web is provided which bridges the sole cutout; and the web is located at least approximately in that area of the pinion which diametrically opposes the pressure socket.

IPC 1-7

F04C 15/00

IPC 8 full level

F04C 2/10 (2006.01); **F04C 15/00** (2006.01); **F04C 15/06** (2006.01)

CPC (source: EP US)

F04C 15/0049 (2013.01 - EP US)

Cited by

DE202012104839U1; DE202013102079U1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 5299923 A 19940405; AT E134744 T1 19960315; DE 4142799 C1 19930415; DE 69208632 D1 19960404; EP 0549929 A1 19930707; EP 0549929 B1 19960228; JP H0688576 A 19940329

DOCDB simple family (application)

US 99335192 A 19921218; AT 92120960 T 19921209; DE 4142799 A 19911226; DE 69208632 T 19921209; EP 92120960 A 19921209; JP 35749092 A 19921224