

Title (en)

Internal gear pump

Title (de)

Innenzahnradmaschine

Title (fr)

Pompe à engrenages internes

Publication

EP 0949419 B1 20011031 (DE)

Application

EP 99105579 A 19990318

Priority

DE 19815421 A 19980407

Abstract (en)

[origin: EP0949419A1] The hollow wheel (3) is widened on its outer periphery to a running ring (35), which is of one-piece construction. The running ring is non-rotatably connected with the inner-toothed part (37) of the hollow wheel by at least one spring ring with outwardly bulged formations. This spring ring encloses the periphery of the inner toothed part and locates in a sprung manner on the inner periphery of the running ring.

IPC 1-7

F04C 2/10

IPC 8 full level

F04C 2/10 (2006.01)

CPC (source: EP KR US)

F04C 2/08 (2013.01 - KR); **F04C 2/102** (2013.01 - EP US); **Y10T 29/49242** (2015.01 - EP US)

Cited by

DE10013760A1; CN103348141A; US10012220B2; WO2010006575A3; WO2012066483A3

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0949419 A1 19991013; **EP 0949419 B1 20011031**; DE 19815421 A1 19991014; DE 59900366 D1 20011206; JP H11324939 A 19991126; KR 100373064 B1 20030225; KR 19990082985 A 19991125; US 6186757 B1 20010213

DOCDB simple family (application)

EP 99105579 A 19990318; DE 19815421 A 19980407; DE 59900366 T 19990318; JP 9973799 A 19990407; KR 19990011955 A 19990407; US 28551799 A 19990402