

Title (en)

IMPROVEMENTS IN AND RELATING TO HYDRAULIC PUMPS AND MOTORS

Title (de)

VERBESSERUNG IN UND AN HYDRAULISCHEN PUMPEN UND MOTOREN

Title (fr)

AMELIORATIONS DE MOTEURS ET DE POMPES HYDRAULIQUES

Publication

EP 1015761 B1 20020911 (EN)

Application

EP 98908221 A 19980303

Priority

- GB 9800655 W 19980303
- GB 9704678 A 19970306

Abstract (en)

[origin: WO9839568A1] A piston assembly for an axial displacement pump or motor comprises a piston (15) having at one end a ball shaped piston foot (16) and a slipper (41). The rear end of which defines a piston ball seat (42) in which the ball shaped piston foot (16) is received. A slipper pad (44) defines an annular, centrally located recess or pocket at the front end of the slipper (41). The slipper pad (44) comprises an annular ring (44) of polymer material.

IPC 1-7

F04B 1/12

IPC 8 full level

F04B 1/12 (2006.01); **F04B 53/00** (2006.01)

CPC (source: EP)

F04B 1/124 (2013.01); **F05C 2225/00** (2013.01)

Designated contracting state (EPC)

BE DE DK FR GB IT NL SE

DOCDB simple family (publication)

WO 9839568 A1 19980911; AU 6630298 A 19980922; AU 719300 B2 20000504; CA 2282424 A1 19980911; DE 69807903 D1 20021017; DE 69807903 T2 20030528; DK 1015761 T3 20021118; EP 1015761 A1 20000705; EP 1015761 B1 20020911; GB 9704678 D0 19970423; JP 2001513865 A 20010904; ZA 981899 B 20000627

DOCDB simple family (application)

GB 9800655 W 19980303; AU 6630298 A 19980303; CA 2282424 A 19980303; DE 69807903 T 19980303; DK 98908221 T 19980303; EP 98908221 A 19980303; GB 9704678 A 19970306; JP 53826898 A 19980303; ZA 981899 A 19980305