

Title (en)

Hydraulic positive displacement machine, in particular pump

Title (de)

Hydraulische Verdrängermaschine, insbesondere Verdrängerpumpe

Title (fr)

Machine hydraulique à déplacement positif, en particulier pompe

Publication

EP 1013926 B1 20040915 (DE)

Application

EP 99125173 A 19991217

Priority

DE 19858483 A 19981218

Abstract (en)

[origin: EP1013926A1] A hydraulic displacement mechanism with two relatively sliding components (31, 32, 45), one or both of which consist of a surface hardened, lubricant-containing sintered ferrite material, is new. Preferred Features: The or each sliding component (31, 32, 45) consists of a surface nitrided sintered ferrite material containing 15-25% copper, 2.5-3% molybdenum disulfide and/or 0.4% graphite.

IPC 1-7

F04B 1/04; **F04C 2/10**

IPC 8 full level

F04C 2/10 (2006.01); **F04B 1/00** (2006.01); **F04B 1/04** (2006.01); **F04B 53/00** (2006.01); **F04B 53/14** (2006.01); **F04B 53/18** (2006.01); **F04C 2/08** (2006.01); **F04C 15/00** (2006.01)

CPC (source: EP US)

F01C 21/108 (2013.01 - EP US); **F04B 1/0404** (2013.01 - EP US); **F04C 2/082** (2013.01 - EP US); **F04C 2230/22** (2013.01 - EP US); **F04C 2230/92** (2013.01 - EP US); **F05C 2201/0433** (2013.01 - EP US); **F05C 2203/083** (2013.01 - EP US); **F05C 2203/086** (2013.01 - EP US)

Designated contracting state (EPC)

BE DE FR IT

DOCDB simple family (publication)

EP 1013926 A1 20000628; **EP 1013926 B1 20040915**; DE 19858483 A1 20000831; DE 59910510 D1 20041021; JP 2000205142 A 20000725; US 6450792 B1 20020917

DOCDB simple family (application)

EP 99125173 A 19991217; DE 19858483 A 19981218; DE 59910510 T 19991217; JP 36121499 A 19991220; US 46848299 A 19991217