

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)  
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DOCDB simple family (publication)  
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