

Title (en)

Cylinder barrel for hydrostatic axial piston machines

Title (de)

Zylindertrommel für hydrostatische Axialkolbenmaschinen

Title (fr)

Tambour de cylindre pour machine hydrostatique à pistons axiaux

Publication

EP 1225331 A3 20030611 (DE)

Application

EP 01129518 A 20011211

Priority

- DE 10102988 A 20010123
- DE 10106873 A 20010214

Abstract (en)

[origin: EP1225331A2] The cylinder drum (1) has round the circumference cooling ribs (10) which during operation of the piston engine project at least in part into the leakage volume which is formed inside a housing which contains the drum. The cooling ribs can be formed as grooves whose depth is less than the smallest wall thickness corresponding to a groove between the rotor bush (7) and the radial outer extension of the drum.

IPC 1-7

F04B 1/20; **F04B 53/08**

IPC 8 full level

F04B 1/20 (2006.01); **F04B 53/08** (2006.01)

CPC (source: EP)

F04B 1/2035 (2013.01); **F04B 53/08** (2013.01)

Citation (search report)

- [DY] DE 2805492 A1 19790816 - LINDE AG
- [Y] DE 1929403 A1 19710408 - HOFMANN GERHARD
- [Y] AU 5917865 A 19671123
- [A] US 5971717 A 19991026 - BERTHOLD HEINZ [DE]
- [A] DE 9206567 U1 19920730

Cited by

CN113266518A; WO2014181737A1

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