

Title (en)
Hydrostatic piston machine.

Title (de)
Hydrostatische Kolbenmaschine.

Title (fr)
Machine à piston hydrostatique.

Publication
EP 0523384 B1 19950607 (DE)

Application
EP 92110184 A 19920617

Priority
DE 4123675 A 19910717

Abstract (en)
[origin: EP0523384A1] The hydrostatic piston machine has a plurality of pistons (16) which are guided in bores (17) of a rotor (18) and which interact with a travel-generating guide means (13). The rotor (18) or the bores (17) are pressurised axially, i.e. from an end face of the rotor, by a pressure medium. For the purpose of axial support and the absorption of axial thrust forces, the drive shaft interacts with a thrust bearing (35) which is braced with respect to the housing. The thrust bearing is designed as a sleeve bearing and has a pressure chamber (52) which is pressurised with a high pressure and thus results in a partial hydrostatic unloading of the bearing point. <IMAGE>

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F04B 1/10

IPC 8 full level
F04B 1/10 (2006.01); **F04B 1/107** (2006.01)

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F04B 1/1071 (2013.01)

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DE FR GB IT

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