

Title (en)

Axial piston machine with cylinder sleeves for the reciprocating pistons

Title (de)

Axialkolbenmaschine mit in Führungsbuchsen einer Zylindertrommel verschiebbar gelagerten Kolben

Title (fr)

Machine à piston alternatif axial avec des chemises de cylindre pour les pistons

Publication

EP 1156212 B1 20100428 (DE)

Application

EP 01102330 A 20010201

Priority

DE 10023849 A 20000516

Abstract (en)

[origin: EP1156212A2] The engine has a cylinder drum (5), in which several pistons (9) slide in guide sleeves (8). The guide sleeves are inserted and fixed with their head ends (8c) in sleeve holes (6) in the cylinder drum. The pistons form working chambers (11) in the cylinder drum at their head ends (9a) and are supported at their foot ends (9b) at a drive part of the engine. The inner surfaces (8b) of the guide sleeves each have a cross-section expansion (32) in the end areas (a) of their head ends. An Independent claim is included for a guide sleeve for a piston engine.

IPC 8 full level

F04B 1/12 (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)

F04B 1/124 (2013.01); **F04B 53/166** (2013.01)

Cited by

US7073427B2; WO03025347A1

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

EP 1156212 A2 20011121; **EP 1156212 A3 20030611**; **EP 1156212 B1 20100428**; DE 10023849 A1 20011129; DE 10023849 B4 20051117; DE 50115453 D1 20100610

DOCDB simple family (application)

EP 01102330 A 20010201; DE 10023849 A 20000516; DE 50115453 T 20010201