

Title (en)
Hydraulic piston motor.

Title (de)
Flüssigkeitskolbenmotor.

Title (fr)
Moteur hydraulique à piston.

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Application
EP 92110445 A 19920620

Priority
SE 9101950 A 19910625

Abstract (en)
Hydraulic piston motor comprising a housing, at least one cam disk with an internal cam curve (8), at least one cylinder block (6) with a number of cylinders (5), and so-called roller cage pistons, running in said cylinders. According to the invention each roller cage piston consists of a roller cage part (2) and a piston part (3) forming an integral unit. The roller cage part is formed as a hydrostatic bearing with a bearing surface which is in the form of a cylindrical segment and is adapted to rollers running against said cam curve (8). At its inner end the piston part is formed with two flanges (19, 20) with an intermediate piston ring slot (21). Those surfaces of the flanges which are facing the cylinder wall together exhibit a double-curved convex surface, which allows an angular deviations, of the order of magnitude of 1 DEG , between the cylinder (5) and the roller cage piston (1). A seal is arranged in the piston ring slot. <IMAGE> <IMAGE>

IPC 1-7
F03C 1/04; **F04B 1/04**

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CPC (source: EP)
F03C 1/047 (2013.01); **F04B 1/0408** (2013.01)

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