

Title (en)

AXIAL-PISTON MACHINE WITH A DRIVE PLATE, A CYLINDER BARREL, AND A HOMOKINETIC JOINT ARRANGED THERE BETWEEN

Publication

**EP 0205982 B1 19881221 (DE)**

Application

**EP 86107345 A 19860530**

Priority

DE 3522716 A 19850625

Abstract (en)

[origin: EP0205982A2] 1. An axial piston machine of the bent axis type having a drive disc (4) and a cylinder barrel (5), wherein a plurality of pistons (7) are accommodated axially displaceably in piston bores (8) in the cylinder barrel (5) with their shafts pivotably mounted on the drive disc (4), and the drive disc (4) and the cylinder barrel (5) are connected to one another by a homokinetic joint (6) which comprises two joint parts which can be pivoted relative to one another, namely an inner part (17) and an outer part (15) and a plurality of rolling elements (23) arranged between them in a cage (25), and projects into a recess in the drive disc (4), characterised in that the recess (10) has a spherical inner surface (16) with a centre of curvature lying in the centre point (24) of the joint against which the joint part (17) on the cylinder barrel side, which has a spherical outer surface (18) of the same curvature, whose centre of curvature also lies in the centre of the joint (24), abuts with axial support of the cylinder barrel (5).

IPC 1-7

**F01B 3/00**; **F04B 1/20**

IPC 8 full level

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CPC (source: EP)

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