

Title (en)
AXIAL-PISTON DRIVE SYSTEM WITH A CONTINUOUSLY ADJUSTABLE PISTON STROKE

Title (de)
AXIALKOLBENTRIEBWERK MIT EINEM STUFENLOS VERSTELLBAREN KOLBENHUB

Title (fr)
GROUPE MOTOPROPULSEUR A PISTON AXIAL DONT LA COURSE EST A REGLAGE CONTINU

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Application
EP 00965884 A 20000818

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• EP 0008084 W 20000818

Abstract (en)
[origin: WO0112989A1] The invention relates to an axial-piston drive system with a continuously adjustable piston stroke. The inventive drive system has a drive shaft (10, 12) on which a swash plate (16) is mounted in a crank chamber (14) in such a way that it is tiltable and axially displaceable. The drive system also comprises a control device (18, 20) by which means a tilting angle and an axial position of the swash plate (16) can be adjusted, and at least one piston (26, 28) which is connected to the swash plate (16) in a driving manner and can move in a cylinder (22, 24). According to the invention, said control device (18, 20) has an adjusting unit (30, 32) which is separate from the piston (26, 28).

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WO 0112989 A1 20010222; AU 7647700 A 20010313; DE 19939131 A1 20010308; DE 50004444 D1 20031218; EP 1206640 A1 20020522; EP 1206640 B1 20031112; JP 2003507627 A 20030225; US 6957604 B1 20051025

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