

Title (en)  
AXIAL PISTON MOTOR

Title (de)  
AXIALKOLBENMASCHINE

Title (fr)  
MOTEUR A PISTONS AXIAUX

Publication  
**EP 1058771 A1 20001213 (DE)**

Application  
**EP 99903848 A 19990222**

Priority  
• DE 19807443 A 19980224  
• IB 9900319 W 19990222

Abstract (en)  
[origin: DE19807443A1] The adjustment device (10) has a control unit (14) working in co-operation with the adjusting cylinder (24), the swash plate (12), and the spring system (28,29). The angle of inclination of the swash plate (12) is automatically adjusted to the actual performance of the drive (14), avoiding a reduction in output and efficiency when pressure acts on the adjusting cylinder (24). An auxiliary piston (34) in the shape of an open case, carrying the spring system (28,29), facilitates even more precise adjustment.

IPC 1-7  
**F01B 3/10**; **F04B 1/32**

IPC 8 full level  
**F01B 3/10** (2006.01); **F04B 1/32** (2006.01)

CPC (source: EP KR US)  
**F01B 3/10** (2013.01 - KR); **F01B 3/106** (2013.01 - EP US); **F04B 1/324** (2013.01 - EP US)

Citation (search report)  
See references of WO 9943925A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**DE 19807443 A1 19990826**; AU 2436499 A 19990915; BR 9908198 A 20001024; CN 1291255 A 20010411; EP 1058771 A1 20001213; JP 2002511914 A 20020416; KR 20010041268 A 20010515; PL 342520 A1 20010618; SK 12672000 A3 20010118; US 6425313 B1 20020730; WO 9943925 A1 19990902

DOCDB simple family (application)  
**DE 19807443 A 19980224**; AU 2436499 A 19990222; BR 9908198 A 19990222; CN 99803171 A 19990222; EP 99903848 A 19990222; IB 9900319 W 19990222; JP 54332999 A 19990222; KR 20007009364 A 20000824; PL 34252099 A 19990222; SK 12672000 A 19990222; US 52793400 A 20000316