

Title (en)
TURNING CONTROL DEVICE WITH BRAKE AND CONTROL VALVES

Title (de)
DREHWERKSTEUERUNG MIT BREMS- UND STEUERVENTILEN

Title (fr)
COMMANDE A SOUPAPES DE FREINAGE ET DE COMMANDE POUR DISPOSITIF DE ROTATION

Publication
EP 1003972 B1 20020605 (DE)

Application
EP 98942618 A 19980724

Priority
• DE 19735111 A 19970813
• EP 9804647 W 19980724

Abstract (en)
[origin: DE19735111A1] The piston (7) functions dependent upon the pressure difference between two positioning pressure conduits (13,14) connected with one of the positioning pressure chambers (11,12). The positioning pressure ruling in the conduits (13,14) is predetermined by two control conduits (33,34). A brake valve (19,20) is provided for each positioning pressure chamber (11,12), which throttles the back flow of pressure fluid from the positioning pressure chamber into a pressure fluid tank (21).

IPC 1-7
F04B 49/08; **E02F 9/12**

IPC 8 full level
E02F 3/90 (2006.01); **E02F 9/12** (2006.01); **F04B 49/08** (2006.01)

CPC (source: EP US)
E02F 9/123 (2013.01 - EP US); **E02F 9/128** (2013.01 - EP US); **F04B 49/08** (2013.01 - EP US)

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 19735111 A1 19990225; **DE 19735111 C2 19990602**; DE 59804340 D1 20020711; EP 1003972 A1 20000531; EP 1003972 B1 20020605; JP 2001515182 A 20010918; JP 4044283 B2 20080206; US 6336324 B1 20020108; WO 9909320 A1 19990225

DOCDB simple family (application)
DE 19735111 A 19970813; DE 59804340 T 19980724; EP 9804647 W 19980724; EP 98942618 A 19980724; JP 2000509952 A 19980724; US 48560800 A 20000525