

Title (en)

TRIAxIAL POSITIONING ACTUATOR AND CONTROL METHODS USING SAME

Title (de)

DREIACHSEN-POSITIONSANTRIEBE UND VERFAHREN ZU DEREN EINSTELLUNG

Title (fr)

VERINS DE POSITIONNEMENT A TROIS AXES, ET PROCEDES D'ASSERVISSEMENT METTANT EN OEUVRE CES VERINS

Publication

EP 0862696 A1 19980909 (FR)

Application

EP 96941718 A 19961206

Priority

- FR 9601955 W 19961206
- FR 9514529 A 19951208

Abstract (en)

[origin: WO9721929A1] A positioning actuator (40) with three axes (X, Y, Z) including at least one power axis is disclosed. The actuator includes a base (41) comprising a movable supporting member and a device (44) for moving said member up and down; and a shaft (43) connecting the movable head (45) of the actuator (40) to the base (41). The connecting shaft (43) forms a swivel-type double linkage enabling sideways movement of the head (45) relative to the base (41), and the lower end of the connecting shaft (43) engages a part (2) made of elastomeric material and provided within the movable supporting member. Said actuator is useful for positioning and aligning heavy loads, particularly machine tools and long tubes.

IPC 1-7

F15B 7/00; **F15B 21/06**

IPC 8 full level

B66F 3/24 (2006.01); **B66F 3/44** (2006.01); **F15B 7/00** (2006.01); **F15B 21/06** (2006.01)

CPC (source: EP US)

F15B 7/001 (2013.01 - EP US); **F15B 7/005** (2013.01 - EP US); **F15B 21/06** (2013.01 - EP US)

Citation (search report)

See references of WO 9721929A1

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)

WO 9721929 A1 19970619; EP 0862696 A1 19980909; FR 2742209 A1 19970613; FR 2742209 B1 19980220; JP 2000501686 A 20000215; US 6186480 B1 20010213

DOCDB simple family (application)

FR 9601955 W 19961206; EP 96941718 A 19961206; FR 9514529 A 19951208; JP 52178897 A 19961206; US 7778898 A 19980608