

Title (en)

METHOD AND DEVICE FOR CONTROLLING A PRESSURISED FLUID-ACTUATED DOUBLE ACTING CYLINDER

Title (de)

VERFAHREN UND VORRICHTUNG ZUM STEUERN EINES DRUCKMITTEL BETÄTIGTEN DOPPELTWIRKENDEN STELLANTRIEBS

Title (fr)

PROCEDE ET DISPOSITIF DE COMMANDE D'UN VERIN A DOUBLE EFFET ACTIONNE PAR UN FLUIDE SOUS PRESSION

Publication

EP 0724504 B1 19970827 (FR)

Application

EP 94930883 A 19941028

Priority

- BE 9400079 W 19941028
- BE 9301196 A 19931029

Abstract (en)

[origin: WO9511777A1] Method for controlling a pressurised fluid-actuated double acting cylinder in an assembly such as a hydraulic tightening spanner (1) with a control unit therefor, wherein a piston (5) may be reciprocated repeatedly, firstly with an active stroke (arrow 4) providing a desired maximum force, and then with an opposed so-called passive stroke (arrow 7) returning the piston (5) to its starting point to enable repetition, and wherein said method comprises selecting a set fluid pressure corresponding to the desired maximum force (Fr) and measuring the time elapsed (Te) between the beginning and the end of the passive return stroke to determine that said force has been achieved. A device for implementing said method is also disclosed.

IPC 1-7

B25B 23/145

IPC 8 full level

B25B 23/145 (2006.01)

CPC (source: EP US)

B25B 21/005 (2013.01 - EP US); **B25B 23/145** (2013.01 - EP US); **B25B 23/1456** (2013.01 - EP US)

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

WO 9511777 A1 19950504; AU 7987194 A 19950522; BE 1007527 A3 19950725; DE 69405243 D1 19971002; DE 69405243 T2 19980319; EP 0724504 A1 19960807; EP 0724504 B1 19970827; US 5737992 A 19980414

DOCDB simple family (application)

BE 9400079 W 19941028; AU 7987194 A 19941028; BE 9301196 A 19931029; DE 69405243 T 19941028; EP 94930883 A 19941028; US 63589696 A 19960425