

Title (en)

Device for continuously controlling the stroke of a piston of an actuator.

Title (de)

Vorrichtung für die kontinuierliche Verstellung der Hublänge eines Arbeitszylinders.

Title (fr)

Dispositif de réglage en continu de la course du piston d'un vérin.

Publication

EP 0051014 A1 19820505 (FR)

Application

EP 81401613 A 19811015

Priority

FR 8023066 A 19801023

Abstract (en)

[origin: US4426912A] Apparatus for the continuous adjustment of the stroke amplitude of the piston of a jack, the latter having a control member of which at least part is in the form of a rod, which is movable in rotation and in translation and cooperates with the said piston, wherein said rod has an extension in the form of a differential piston which is movable in translation and in rotation within a cylinder and defining also in the latter a chamber with a large cross-section and a chamber with a small cross-section, the latter being permanently connected to a pressurized fluid source, said differential piston having an inner cavity in which is located a second rod immobilized in translation and which can be angularly oriented, said second rod being provided with a cam having two opposite edges which can cyclically uncover and cover, during the rotation of the differential piston, at least two openings respectively connected to the two chambers.

Abstract (fr)

La présente invention a pour objet un dispositif de réglage en continu de l'amplitude de la course d'un piston (2). Les mouvements du piston (2) étant commandés par une tige (7), celle-ci comporte un prolongement ayant la forme d'un piston différentiel (22) mobile dans un cylindre (21), ledit piston différentiel (22) présentant une cavité interne (25) dans laquelle est disposée une deuxième tige (27) munie d'une came (34) dont les bords opposés peuvent découvrir et obturer cycliquement au moins deux orifices (35, 36) reliés à l'une et l'autre des deux chambres (23, 24) définies par le piston (22) dans le cylindre (21). Application au réglage de la course d'un piston différentiel.

IPC 1-7

F15B 9/16; **F15B 9/10**

IPC 8 full level

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CPC (source: EP KR US)

B66F 3/24 (2013.01 - KR); **F15B 9/10** (2013.01 - EP US); **F15B 9/16** (2013.01 - EP US)

Citation (search report)

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- US 3368457 A 19680213 - LEWAKOWSKI JOHN J

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EP3093503A1; US6995585B2

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DE FR SE

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EP 81401613 A 19811015; AU 7650881 A 19811016; DE 3173730 T 19811015; FR 8023066 A 19801023; JP 16940781 A 19811022; KR 810004011 A 19811022; US 31269581 A 19811019; YU 252181 A 19811022