

Title (en)
Hydraulic operating device.

Title (de)
Hydraulische Betätigungsvorrichtung.

Title (fr)
Dispositif de commande hydraulique perfectionné.

Publication
EP 0034509 A1 19810826 (FR)

Application
EP 81400025 A 19810109

Priority
FR 8001592 A 19800125

Abstract (en)
[origin: US4414881A] The invention provides a hydraulic servo-control device which performs the same functions as a conventional device but is much cheaper to manufacture and maintain. For this purpose, the control device comprises a cylinder device formed by a cylinder and a piston rigid with a rod and a hydraulic control unit whose body is rigid with the cylinder. The body of the hydraulic control unit defines a cavity for receiving the cylinder of the cylinder device and this cylinder is made in two main parts, namely a case partly received in the cavity and fixed to the body of the hydraulic control unit, and a tubular sleeve which is axially and radially positioned inside the case and the cavity and cooperates with the piston. Application in particular in the control of the pitch of the blades of a helicopter or the ailerons of a light aircraft.

Abstract (fr)
Le corps (8) du bloc de commande hydraulique (2) délimite un logement (8<a>) destiné à recevoir le cylindre du vérin, et ce cylindre est réalisé en deux parties principales : une enveloppe (9) reçue en partie dans le logement précité et fixée sur le corps du bloc de commande hydraulique et une chemise tubulaire (10) positionnée axialement et radialement à l'intérieur de l'enveloppe et du logement et qui coopère avec le piston. Application notamment à la commande du pas d'un hélicoptère ou des gouvernes d'un avion léger.

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F15B 15/20; B64C 27/64

IPC 8 full level
F15B 15/14 (2006.01)

CPC (source: EP US)
F15B 15/1438 (2013.01 - EP US)

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