

Title (en)

HYDROMECHANICAL BLOCKING CYLINDER AND HYDRAULIC CONTROL SYSTEM FOR ACTUATING SAME

Title (de)

HYDROMECHANISCHER ARRETIERUNGSZYLINDER UND HYDRAULISCHES STEUERSYSTEM ZU DESSEN BETÄTIGUNG

Title (fr)

VÉRIN DE BLOCAGE HYDROMÉCANIQUE ET SYSTÈME DE COMMANDE HYDRAULIQUE POUR L'ACTIONNER

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Application

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Abstract (en)

[origin: WO2018069128A1] The invention relates to a hydromechanical blocking cylinder (10) comprising a piston (22) which can be hydraulically actuated in a cylindrical tube (112) and a threaded portion (23) of which engages a threaded portion (31) on a spindle (30), wherein the spindle (30) can be blocked by means of a locking element (32) to interrupt a movement of the piston (22). According to the invention, the spindle (30) and the locking element (32) are integrally formed or fixedly connected to each other and the locking element (32) can engage at least one stationary locking pin (18) by means of at least one blocking groove (34) on the end face of the locking element. The invention further relates a hydraulic control system (100) which is particularly designed for actuating such a blocking cylinder (10).

IPC 8 full level

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