

Title (en)
A HYDRAULIC SYSTEM WITH ADDITIONAL PROTECTION OF OPERATION OF CLUTCH AND DRUM BRAKE HYDRAULIC CIRCUIT IN A FORESTRY WINCH

Title (de)
HYDRAULISCHES SYSTEM MIT ZUSÄTZLICHEM SCHUTZ DES BETRIEBS DER KUPPLUNG UND TROMMELBREMSENHYDRAULIKKREISLAUF IN EINER FORSTSEILWINDE

Title (fr)
SYSTÈME HYDRAULIQUE AVEC UNE PROTECTION SUPPLÉMENTAIRE DE FONCTIONNEMENT DE FREIN ET CIRCUIT DE FREINAGE HYDRAULIQUE À TAMBOUR DANS UN TREUIL FORESTIER

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Application
EP 16158966 A 20160307

Priority
SI 201500062 A 20150313

Abstract (en)
The invention belongs to the field of mechanical engineering, more precisely to the field of hydraulic systems with a hydraulic accumulator as an additional source of hydraulic pressure/compressive energy in particularly suitable for machines with unequal consumption. At the same time, the invention also belongs to the field of forestry winches with hydraulically controlled brake and clutch of a winding drum in a forestry winch. The hydraulic system with additional protection of operation of the hydraulic circuit of the clutch and drum brake in a forestry winch comprises an oil reservoir 1, a filter 2, a pump 3, a check valve 4, a pressure relief valve 5, a control valve 6, a check valve 7 with a throttle 8, a valve 11, a hydraulic accumulator 9, a check valve 12 with an adjustable throttle 13, a valve 19 with a throttle 18, a hydromotor 19, a cylinder 14 of the brake and a cylinder 15 of the clutch. The entire hydraulic system is mechanically integrated into the housing of a forestry winch.

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Citation (applicant)
• SI 22392 A 20080430 - TAJFUN PLANINA PROIZV STROJEV [SI]
• SI 22877 A2 20100331 - UNIFOREST D O O [SI]
• SI 22937 A 20100630 - UNIFOREST D O O [SI]
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• DE 202005020694 U1 20060622 - A. RITTER U. SOEHNE, MASCHINENFABRIK UND LANDMASCHINEN GMBH & CO KG [DE]

Citation (search report)
• [I] DE 202005020694 U1 20060622 - A. RITTER U. SOEHNE, MASCHINENFABRIK UND LANDMASCHINEN GMBH & CO KG [DE]
• [A] EP 2285723 A1 20110223 - TAJFUN PLANINA PROIZV STROJEV D O O [SI]

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