

Title (en)

APPARATUS FOR OPERATING GATES AND THE LIKE

Title (de)

EINRICHTUNG ZUM ÖFFNEN UND SCHLIESSEN VON GITTERN ODER DERGLEICHEN

Title (fr)

APPAREIL D'OUVERTURE DE BARRIERES ET DE DISPOSITIFS SEMBLABLES

Publication

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Application

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Abstract (en)

[origin: WO0077334A1] The invention relates to an apparatus for operating a gate (U), which apparatus is provided with a pressure generating unit, which can be mounted in the ground and which is provided with a hydraulic cylinder (A) as well as restoring springs (O) and which by means of a hydraulic circuit system actuates an opening and closing mechanism for said gate. According to the invention said cylinder (A) is designed as a primary compression cylinder, which hydraulically is connected partly to an accumulator tank (C), to accumulate a portion of the force as an overpressure, and partly to a secondary opening cylinder (D), to open the gate (U) against the force of a closing valve (V). The overpressure in the liquid is released through a duct to an expansion tank (B) through a check valve (G) in order to delay the discharge process, an effect being obtained only after the fact, that a car has passed the apparatus and the gate and that the overpressure in the expansion tank has started to decrease. Pressure peaks from very heavy cars and a second and a third axle on a car respectively will be released directly through an overpressure valve (I) back into the expansion tank.

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