

Title (en)

CONTROL APPLIANCE FOR THE HYDRAULICALLY OPERATED SCRAPER BLADE ATTACHED TO A SNOW REMOVAL EQUIPMENT

Publication

EP 0046214 B1 19841010 (DE)

Application

EP 81105890 A 19810725

Priority

DE 3031037 A 19800816

Abstract (en)

[origin: EP0046214A2] 1. Control appliance having a control valve (18), which may be controlled electrically or hydraulically, for hydraulically operating a snow plow mounted to a vehicle, the plow share (6) of said plow being connected via a guide parallelogram to an attachment plate (1) which is attached to the vehicle and may be operated by means of hydraulic cylinders which are supported between said attachment plate and said plow share, said hydraulic cylinders comprising a centrally arranged lifting cylinder (11) for the up/down movement and two reversal cylinders (9, 10) arranged laterally for the right/left swivelling of the plow share, characterized in that in order to avoid kinematic restraints upon lifting and moving down, reps., said control valve (18) may be controlled in dependence on the pressure in the lifting cylinder (11) and, after a pressure rise in said lifting cylinder (11) up to a specified upper hydraulic pressure, connects the hydraulic lines (23, 24) to the two reversal cylinders (9, 10) by means of a return line (26) leading to a hydraulic container (27), and, after drop in pressure within the lifting cylinder (11) caused thereby, disconnects in turn this connection only upon reaching a specified lower hydraulic pressure within the lifting cylinder (11).

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E01H 5/06

IPC 8 full level

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