

Title (en)
Ride control system

Title (de)
Niveauregulierung

Title (fr)
Réglage de niveau

Publication
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Application
EP 04026904 A 20041112

Priority
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Abstract (en)
The invention relates to a hydraulic system for a wheeled loader having a loader arm assembly, which is connected to the wheeled loader at a first end and carries a working implement at a second end, and which loader arm is movable between raised and lowered positions by means of a hydraulic cylinder (5), wherein a hydraulic accumulator means (18, 19) is connected to the hydraulic cylinder (5) to provide a suspension arrangement for the hydraulic cylinder (5). Each chamber of the hydraulic cylinder (5) is connected to a selection valve means (9) via conduits adapted to supply fluid under pressure to raise or lower the loader arm assembly. The hydraulic system is provided with a number of valves for preventing any unintentional downward movement of the lift arm assembly due to a sudden loss of pressure in the supply conduit or a slow leak through the selection valve means (9). The invention further relates to a wheeled loader provided with such a hydraulic system.

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CPC (source: EP)
B66F 9/22 (2013.01); **E02F 9/2207** (2013.01); **E02F 9/2217** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 007, no. 227 (M - 248) 7 October 1983 (1983-10-07)

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