

Title (en)  
VIBRATION DAMPENING APPARATUS FOR MOBILE MACHINES

Title (de)  
VORRICHTUNG ZUR SCHWINGUNGSDÄMPFUNG FÜR MOBILE MASCHINEN

Title (fr)  
DISPOSITIF AMORTISSEUR POUR MACHINES MOBILES

Publication  
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Application  
**EP 96941238 A 19961021**

Priority  
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Abstract (en)  
[origin: WO9817873A1] This invention relates to an apparatus for mobile machines, preferably tractors provided with a loading unit, which is vertically adjustable by means of at least one hydraulically operable lifting cylinder, which comprises a piston means and is an integral part of a hydraulic system in the machine, the apparatus being intended to damp the vibrations which may arise in the loading unit when the machine travels on fields and bumpy roads or when using the machine in work. According to the invention the apparatus is characterized in that it comprises the combination of the following features: the mentioned lifting cylinder (1, 2) is double-acting i.e. it can activate the hydraulic medium both on its piston side and the side of the piston rod; the lifting cylinder (1, 2) on its plus side, i.e. the piston side, is connected with at least a first accumulator (8, 9) and on its minus side, i.e. the side of the piston rod, connected with another accumulator (15).

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