

Title (en)  
Hydraulic arrangement for dampening vibrations

Title (de)  
Hydraulische Anordnung zur Schwingungsdämpfung

Title (fr)  
Assemblage hydraulique d'amortissement de vibrations

Publication  
**EP 1691084 A2 20060816 (DE)**

Application  
**EP 05112154 A 20051214**

Priority  
US 5668405 A 20050211

Abstract (en)  
The four-wheel drive construction machine has a hydraulic system (100) with a cylinder (60) and a piston (67) to dampen oscillations at the jib arm (50), which carries a bucket (70) and the like and a control unit (130). The hydraulic unit (110) is connected to the cylinder piston base side (61), the cylinder piston rod side (62), the main control valve (120) and the hydraulic fluid tank (90) to dampen piston movements through jib oscillations. The main control valve automatically raises the hydraulic pressure at the piston base side, when the pressure is below the limit.

IPC 8 full level  
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Cited by  
CN104153406A; WO2012010097A1; KR20190131015A; EP3604692A4

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