

Title (en)  
HYDRAULIC SYSTEM FOR A VEHICLE SUSPENSION

Title (de)  
HYDRAULIKSYSTEM FÜR EINE FAHRZEUGAUFHÄNGUNG

Title (fr)  
SYSTÈME HYDRAULIQUE POUR UNE SUSPENSION DE VÉHICULE

Publication  
**EP 1989072 A1 20081112 (EN)**

Application  
**EP 07701575 A 20070302**

Priority  
• AU 2007000257 W 20070302  
• AU 2006901051 A 20060302

Abstract (en)  
[origin: WO2007098559A1] A hydraulic system for a vehicle suspension for a vehicle has at least one front pitch control ram (11) activated by change in ride height of the front of the vehicle body with respect a forward wheel assembly, and at least one rear pitch control ram (13) activated by a change in ride height of the rear of the vehicle body with respect to a rearward wheel assembly. The front pitch control ram(s) and the rear pitch control ram(s) including at least a compression chamber (45, 46, 47) and a rebound chamber (49, 50, 51). The compression chamber of the front pitch control ram(s) is in fluid communication (53, 54, 59) with the rebound chamber of said at least one rear pitch control ram to provide a front compression volume, and the . compression chamber of the rear pitch control ram(s) is in fluid communication (55, 57, 58) with the rebound chamber of the front pitch control ram(s) to provide a rear compression volume. The hydraulic system provides increased pitch stiffness decoupled from heave stiffness of the suspension system.

IPC 8 full level  
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**B60G 17/016** (2013.01); **B60G 17/033** (2013.01); **B60G 17/056** (2013.01); **B60G 21/06** (2013.01); **B60G 21/067** (2013.01); **B60G 21/073** (2013.01); **B60G 2204/81** (2013.01); **B60G 2204/82** (2013.01); **B60G 2204/8304** (2013.01)

Citation (search report)  
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Cited by  
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