

Title (en)
IMPROVEMENTS IN VEHICLE SUSPENSIONS

Title (de)
VERBESSERUNGEN AN FAHRZEUGAUFHÄNGUNGEN

Title (fr)
AMELIORATIONS POUR LA SUSPENSIONS DE VEHICULES

Publication
EP 0879153 A1 19981125 (EN)

Application
EP 97903496 A 19970217

Priority
• GB 9700446 W 19970217
• GB 9603216 A 19960215

Abstract (en)
[origin: WO9729920A1] A lightweight goods vehicle has a chassis frame or subframe whose rear end can be lowered to the ground by de-pressurising the air in air suspension units (80) for the rear axle. The air suspension units (80) act between the chassis longitudinal members and the axle (74), and the axle is further controlled by modified leaf spring members (82A, 82B) which are articulated together at (86) and connected at their rear end by means of rear links or shackles (32) to the chassis member. The air bags (94) are preferably arranged in tandem to either side of the axle (74) and may be connected by a separate base plate (90) and saddle (92) to the axle (74) where the spring position is outboard of the chassis member position, or may be directly connected to the forward leaf spring part (82A) where the leaf spring positions underlie the chassis members.

IPC 1-7
B60G 11/46; **B60G 11/27**; **B60G 9/00**

IPC 8 full level
B60G 9/00 (2006.01); **B60G 11/27** (2006.01); **B60G 11/46** (2006.01)

CPC (source: EP)
B60G 9/003 (2013.01); **B60G 11/27** (2013.01); **B60G 11/465** (2013.01); **B60G 2202/112** (2013.01); **B60G 2202/152** (2013.01); **B60G 2202/1524** (2013.01); **B60G 2202/412** (2013.01); **B60G 2206/428** (2013.01); **B60G 2206/911** (2013.01); **B60G 2300/024** (2013.01); **B60G 2300/34** (2013.01); **B60G 2300/38** (2013.01); **B60G 2500/324** (2013.01)

Citation (search report)
See references of WO 9729920A1

Citation (third parties)
Third party :
• GB 2297732 A 19960814 - CARSON PATRICK [IE], et al
• Installation instructions dated 1995 for the air suspension kit described in GB 2297732 A
• Acknowledgement which indicates the air suspension kit was known to AMK Automotive Limited in 1995

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

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