

Title (en)

IMPROVED TRACTION AND SUSPENSION CONTROL ASSEMBLY

Title (de)

VERBESSERTE ANTRIEBSSCHLUPF- UND AUFHÄNGUNGSREGELUNGSEINRICHTUNG

Title (fr)

ENSEMBLE PERFECTIONNE DE COMMANDE DE TRACTION ET DE SUSPENSION

Publication

**EP 1091860 A1 20010418 (EN)**

Application

**EP 99933621 A 19990630**

Priority

- US 9914826 W 19990630
- US 10762098 A 19980630

Abstract (en)

[origin: WO0000360A1] Enhanced traction control is provided in a modified 6x2 vehicle. An air suspension assembly is tied to the antilock/traction controller. Thus, in response to a differential traction control event, pressurized air to air bags associated with the suspension assembly is regulated to transfer greater vehicle load to the drive axle (10). This provides improved traction capability. If the drive axle is already at its rated maximum vehicle load, then no additional weight is transferred. In addition, isolation valves (72) are added to the brake lines associated with the non-drive axle (12). The isolation valves also communicate directly with the antilock/traction controller so that braking to the non-drive axle is isolated from the drive axle. This eliminates brake drag on the non-drive axle during a differential traction control event.

IPC 1-7

**B60G 17/015**; **B60T 8/34**; **B60T 8/48**

IPC 8 full level

**B60G 17/015** (2006.01); **B60G 17/0195** (2006.01); **B60T 8/175** (2006.01); **B60T 8/34** (2006.01); **B60T 8/48** (2006.01); **B62D 53/00** (2006.01); **B62D 53/04** (2006.01)

CPC (source: EP)

**B60G 17/0195** (2013.01); **B60T 8/349** (2013.01); **B60T 8/4818** (2013.01); **B60G 2400/61** (2013.01); **B60G 2800/214** (2013.01)

Citation (search report)

See references of WO 0000360A1

Designated contracting state (EPC)

AT DE ES FR GB IT NL SE

DOCDB simple family (publication)

**WO 0000360 A1 20000106**; CA 2336119 A1 20000106; EP 1091860 A1 20010418; JP 2002519231 A 20020702

DOCDB simple family (application)

**US 9914826 W 19990630**; CA 2336119 A 19990630; EP 99933621 A 19990630; JP 2000556935 A 19990630