

Title (en)  
TRAILING ARM SUSPENSION WITH LEVER ARM

Title (de)  
LÄNGSARMAUFHÄNGUNG MIT HEBELARM

Title (fr)  
SUSPENSION A BRAS LONGITUDINAL POURVUE D'UN BRAS LEVIER

Publication  
**EP 0752948 A1 19970115 (EN)**

Application  
**EP 94914820 A 19940418**

Priority  
US 9404228 W 19940418

Abstract (en)  
[origin: WO9528312A2] A retractable suspension (10) comprises a trailing arm (22) pivotally mounted to a vehicle frame (12), an air spring (30) mounted between the trailing arm and the frame, and a lifting device (32) mounted between the trailing arm and the frame. The lifting device (32) comprises a strut (60) pivotally mounted between the frame (12) and a lever arm (64) that is fixedly mounted to the trailing arm (22). The strut (60) applies a force to the lever arm (64) that imparts a moment to the trailing arm (22) to urge the trailing arm and attached wheels (14) to a retracted position. The force of the air spring (30) can be adjusted to counter the upward movement of the wheels (14).

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IPC 8 full level  
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