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ning of each regular issue of the PCT Gazette.

(54) Title: CONTROLLED TRUCK CAB SUSPENSION

(57) Abstract: A suspension system for use between a cab (12) and an associated truck frame (14), including a strut module having a strut (52, 54), an air spring and a control module (58). The control module (58) connected to a source of pressurized air, is integral with the strut (52, 54) and includes a height sensor (60) for sensing a distance between the cab (16) and truck frame (14). The integral control module selectively pressurizes the air spring in response to changes in that distance. Preferably, the strut (52, 54) is magnetorheological, McPherson strut and the air spring (100) encloses at least a portion of the strut (52, 54) to provide a compact assembly. The strut damping characteristics are aired by the control module to provide optimize rider characteristic. The strut module includes a three-point connection to the cab and frame to resist relative lateral movement between the cab (12) and frame (14).



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B62D 33/06

US CL : 180/89.12, 89.13, 89.14, 89.15

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
East

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,779,009 (Iwasaki) 14 July 1998 (14.07.1998). See entire document.	1-28
A	US 6,070,681 (Catanzarite et al) 6 June 2000 (06.06.2000). See entire document.	1-28
A	US 5,299,651 (Wilson) 5 April 1994 (05.04.1994). See entire document.	1-28

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☐ See patent family annex.

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