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(54) Title: REAR SUSPENSION FOR A MOTOR VEHICLE

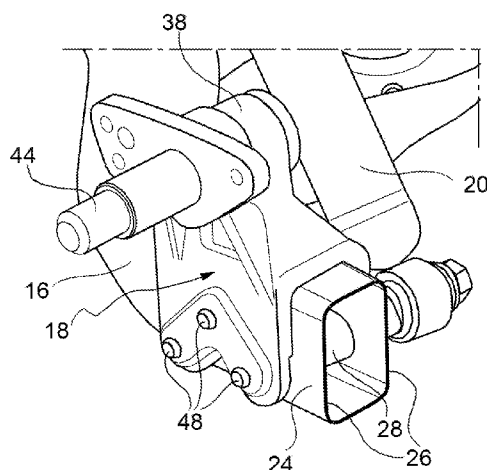


FIG.2

(57) **Abstract:** The suspension comprises, for each rear wheel, a trailing arm (16), a wheel-carrying structure (18) fixed to a length (24) of the trailing arm (16) and an axle (44) fixed to the wheel-carrying structure (18). The wheel-carrying structure (18) is made as a single piece forming an upper support portion (38) having a seat (42) into which the wheel axle (44) is inserted and fixed, and a lower attachment portion (40) including a pair of vertical flat walls (34) which are parallel to each other, are arranged astride of said arm length (24) and have a plurality of through holes (46) aligned in pairs. The arm length (24) forms a pair of vertical walls (26) to which three spacers, each having a through hole (30), are fixed, and a pair of end flat surfaces (32). The spacers (28) project beyond the vertical walls (26) of the arm length (24) in such a manner that their end flat surfaces (32) form two abutment flat surfaces for the vertical flat walls (34) of the wheel-carrying structure (18). The wheel-carrying structure (18) is fixed to the arm length (24) by means of three fixing screws (48) inserted into the through holes (46, 30) of the vertical flat walls (34) of the wheel-carrying structure (18) and of the spacers (28).

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According to International Patent Classification (IPC) or to both national classification and IPC

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

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

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006/091721 A1 (HAN SUNG-WOOK [KR] ET AL) 4 May 2006 (2006-05-04) paragraphs [0008] - [0011]; figure 1	1
A	JP 2000 313217 A (NISSAN MOTOR) 14 November 2000 (2000-11-14) An automated computer translation of this Japanese publication can be found on the website of the Japanese Patent Office: http://www.ipdl.inpit.go.jp/homepg_e.ipdl at: http://dossier1.ipdl.inpit.go.jp/AIPN/odse_top_fwi.ipdl?N0000=7401 abstract; figures 7-9	
A	FR 2 701 431 A (BERTIN & CIE [FR]) 19 August 1994 (1994-08-19) abstract; figures 1-3	
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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	FR 2 698 825 A (RENAULT [FR]) 10 June 1994 (1994-06-10) abstract; figures 1-3 -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

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