Abstract: A supplemental suspension system for a vehicle having a rear axle and a leaf spring suspension system including a pair of leaf springs mounted over respective ends of the rear axle, the supplemental suspension system including a lower support member which is positioned above the rear axle, which extends between respective leaf springs of the pair of leaf springs, and which is fixedly mounted to respective leaf springs of the pair of leaf springs; and a plurality of spring assemblies which are mounted above the rear axle, each spring assembly of the plurality of spring assemblies being composed of, in combination, a coil spring and an air spring arranged around a common central axis and attached by a retainer, wherein the plurality of spring assemblies are supported by the lower support member.
A. CLASSIFICATION OF SUBJECT MATTER
   IPC: B66G 11/46(2006.01)
   USPC: 280/124. 109, 124. 157, 124. 162, 124. 163, 124. 164, 124. 165, 124. 175, 124. 179;267/34
   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)
   Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
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<tr>
<td>A</td>
<td>US 2006/0103102 (Mullican) 18 May 2006 (18.05.2006), Figure 1.</td>
<td>1-20</td>
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<td>A</td>
<td>US 3,966,223 (Carr) 29 June 1976 (29.06.1976), Figure 1.</td>
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<td>A</td>
<td>US 2989301 (Johannsen) 20 June 1961 (20.06.1961), Figure 1.</td>
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<td>A</td>
<td>US 271,1315 (Mosebach) 21 June 1955 (21.06.1955), Figure 1.</td>
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<td>A</td>
<td>US 4687224 (Selzer) 18 August 1987 (18.08.1987), Figure 1.</td>
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<td>A</td>
<td>US 5346246 (Lander) 13 September 1994 (13.09.1994), Figure 1.</td>
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<td>A</td>
<td>US 3727899 (Pemberton) 17 April 1973 (17.04.1973), Figure 1.</td>
<td>1-20</td>
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</table>

Further documents are listed in the continuation of Box C. [ ] See patent family annex.

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Date of the actual completion of the international search 26 Aug 2008
Date of mailing of the international search report 26 Aug 2008

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