Single wheel drive for electrically powered vehicles, in particular trams

A single wheel drive, particularly applicable for a tram wheel, mounted on the axle housing (8) is arranged with the driving motor (1) with swing mounting in a suspender (2) firmly connected with the sprung parts of the vehicle, and the driven wheel (7) of the rail vehicle is mounted on a pin of the axle housing in such manner that there is cavity for a driving shaft or a driving shaft and an articulated joint inside the pin.

---

**Fig. 1**
# DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document with indication, where appropriate, of relevant passages</th>
<th>Relevant to claim</th>
<th>CLASSIFICATION OF THE APPLICATION (IPC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>DE 93 02 351 U1 (DUEWAG AG, 47829 KREFELD, DE) 23 June 1994 (1994-06-23) * page 6, line 36 - page 7, line 22; figures 4a,4b *</td>
<td>1</td>
<td>B61C9/48</td>
</tr>
<tr>
<td>A</td>
<td>WO 00/21815 A (FIAT FERROVIARIA S.P.A; VUKV, A.S; MALINSK&amp;YACUTE, JAN; BYST&amp;RCARON) 20 April 2000 (2000-04-20) * abstract; figures *</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**TECHNICAL FIELDS SEARCHED (IPC)**

- B61C
- B61F
- B60K

---

The present search report has been drawn up for all claims

**Place of search**: Munich  
**Date of completion of the search**: 23 March 2005  
**Examiner**: Ferranti, M
This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

23-03-2005

<table>
<thead>
<tr>
<th>Patent document cited in search report</th>
<th>Publication date</th>
<th>Patent family member(s)</th>
<th>Publication date</th>
</tr>
</thead>
<tbody>
<tr>
<td>DE 9302351 U1</td>
<td>23-06-1994</td>
<td>NONE</td>
<td></td>
</tr>
</tbody>
</table>

For more details about this annex: see Official Journal of the European Patent Office, No. 12/02