Title: CURRENT COLLECTOR SYSTEMS FOR MULTIPOLAR MACHINES

Abstract: The invention concerns current collector systems for multipolar machines (figure 1C) with many brushes (33). The electrical connections to outside electrical power source can be releasable (54, 144, 148).
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   
   IPC(7) : H02K 31/00, 13/00, 39/00
   
   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
   
   NONE
   
   Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
   
   NONE

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>
<tbody>
<tr>
<td>X</td>
<td>US 5,049,771 A (CHALLITA et al.) 17 September 1991 (17.09.1991), all pages.</td>
<td>1</td>
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<tr>
<td>A</td>
<td>US 4,975,609 A (MCKEE) 04 December 1990 (04.12.1990), all pages.</td>
<td>2-58, 75</td>
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<tr>
<td>A</td>
<td>US 3,184,627 A (SEARS) 18 May 1965 (18.05.1965), all pages.</td>
<td>2-58, 75</td>
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<tr>
<td>X</td>
<td>US 6,051,905 A (CLARK) 18 April 2000 (18.04.2000), all pages.</td>
<td>59</td>
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<tr>
<td>A</td>
<td>US 3,819,967 A (BINDER) 25 June 1974 (25.06.1974), all pages.</td>
<td>60-74</td>
</tr>
</tbody>
</table>

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

* Special categories of cited documents:

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  "E" earlier application or patent published on or after the international filing date

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  "P" document published prior to the international filing date but later than the priority date claimed

  "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

  "&" document member of the same patent family

Date of the actual completion of the international search

05 November 2003 (05.11.2003)

Date of mailing of the international search report

26 FEB 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703)305-3230

Authorized officer

Nestor Ramirez

Telephone No. (703) 308-1782

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