PORTABLE BATTERY-POWERED RECIPROCATING SAW

Abstract: A power tool includes a housing having a handle configured for a user, the handle defining a first axis, a motor supported by the housing, the motor defining a second axis along a length of the motor, a tool element movably supported by the housing and driveingly coupled to the motor, the tool element defining a third axis along a length of the tool element. Each of the first, second, and third axes are oblique with respect to each of the other axes.
### INTERNATIONAL SEARCH REPORT

#### A. CLASSIFICATION OF SUBJECT MATTER

- **IPC(8) - B23D 49/00 (2009.01)**
- **USPC - 30/392**

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)**
  - IPC(8): B23D 49/00 (2009.01)
  - USPC: 30/392

- **Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched**
  - IPC(8): F28D 7/00; F28F 9/22 (2009.01)
  - USPC: 407/66; 30/166.3.392.514

Electronic database consulted during the international search (name of data base and, where practicable, search terms used):
- PubMed (USPT, PGDB, EPAB, JPAB); DialogWeb (NPL); Google Scholar. Search Terms Used: electrical, isolate, saw, lithium, battery, ion, shoe, curve, handle, motor, tool, blade, axis, reciprocating, saber, spindle, cell, housing, first, second

#### 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></td>
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<td>2, 10-11, 20, 28-29, 39-40, 59-60</td>
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<tr>
<td>Y</td>
<td>US 2006/0220612 A1 (FELDMANN et al.) 05 October 2006 (05.10.2006), para. [0037].</td>
<td>20</td>
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<tr>
<td>A</td>
<td>US 5,964,039 A (MIZOGUCHI et al.) 12 October 1999 (12.10.1999), col. 6, ln. 34-47.</td>
<td>1-60</td>
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Further documents are listed in the continuation of Box C.

* Special categories of cited documents:
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- **"P"** document published prior to the international filing date but later than the priority date claimed

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Date of the actual completion of the international search: 20 April 2009 (20.04.2009)

Date of mailing of the international search report: 04 MAY 2009

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