BATTERY OPERATED PRUNING DEVICE

Abstract: A device for cutting woody vegetation has a high impact thermoplastic housing with a handle formed thereon for single handed use by a left or right handed user. A cutting bar extends from the housing, with an endless cutting chain arranged on a track provided on a periphery of the cutting bar. Cutting elements are disposed on the endless chain. A direct current electric motor is mounted longitudinally in the housing such that a drive shaft of the motor terminates in a worm gear that transmits drive torque to a drive gear engaged with the endless chain. The cutting bar and electric motor are sized and positioned within the housing such that a balance point of the housing is located at an end of the handle portion in the direction of the cutting bar. Power for the electric motor is provided by a battery pack worn by the user.
INTERNATIONAL SEARCH REPORT

A.  CLASSIFICATION OF SUBJECT MATTER

IPC:  B25B 1/00( 2006.01)
       B25B 3/00( 2006.01)

USPC:  30/133,381

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)

U.S.: 30/133,381,123,134; 320/111, 114,107

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 practicable, search terms used)

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>
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<tbody>
<tr>
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<td>2-5 and 9-14</td>
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<tr>
<td>Y</td>
<td>US 2003/0121682 A1 (CARRANCHO) 03 July 2003 (03.07.2003), Figs. 1-3.</td>
<td>2-5</td>
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<td>Y</td>
<td>US 3,566,731 A (ENSLEY) 02 March 1971 (02.03.1971), Figs. 1-8.</td>
<td>9-10 and 14</td>
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<tr>
<td>Y</td>
<td>US 5,799,369 A (SCHULEIN) 01 September 1998 (01.09.1998), Fig. 1 and col. 2, lines 26-47.</td>
<td>12-14</td>
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</table>

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

* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

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

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"O" document referring to an oral disclosure, use, exhibition or other means

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

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"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

25 March 2008 (25.03.2008)

Date of mailing of the international search report

08 APR 2008

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