Abstract: The present disclosure relates to a wood chipper (20) including a support frame (22), a housing (24) mounted on the support frame (22), a cutter member (26) for chipping wood within the housing, and a discharge chute (29) for discharging wood chips from the housing. The wood chipper (20) also includes at least one resilient isolator (138) for dampening vibration between the engine (122) and the support frame and a moveable drive sheave. Alternatively the wood chipper also includes a first resilient isolator for dampening vibration between the housing and the support frame (22). Alternatively the wood chipper also includes a noise abating curtain. Alternatively the wood chipper also includes a controllable feed means (50).
(88) Date of publication of the international search report: 8 November 2001

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B23Q11/00 B27L1/02 B02C18/24 B02C18/22 B02C21/02 A01G3/00

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)

IPC 7 B23Q B27L B02C A01G

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 practical, search terms used)

EPO-Internal, WPI Data, PAJ

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>A</td>
<td>US 4 074 869 A (JOHNSON WALTER G) 21 February 1978 (1978-02-21) column 4, line 28 - line 37 column 4, line 48 - line 55; figure 2</td>
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<tr>
<td>A</td>
<td>US 5 322 307 A (TILTON STEPHEN W ET AL) 21 June 1994 (1994-06-21) column 1, line 11 - line 50 column 1, line 61 - line 66 column 2, line 35 - line 41 column 3, line 39 - line 44 column 3, line 56 - line 68 column 4, line 31 - line 34; claim 1; figures</td>
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<tr>
<td>A</td>
<td>US 5 137 219 A (MOREY NORVAL K) 11 August 1992 (1992-08-11) column 9, line 17 - line 25; figure 9</td>
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</tbody>
</table>

X Further documents are listed in the continuation of box C. X Patent family members are listed in 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 document but published on or after the international filing date
  *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another document
  *O* document referring to an oral disclosure, use, exhibition or other means
  *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 of priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
  *X* document of particular relevance; the claimed invention cannot be considered to be novel or cannot be considered to involve an inventive step when the document is taken alone
  *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
  *Z* document member of the same patent family

Date of the actual completion of the international search

1 December 2000

Date of mailing of the international search report

06.04.2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Parentlaan 2 NL - 2280 HV Rijswijk
Tel. (+31-70) 349-2040, Tx. 31 651 epos nl, Fax: (+31-70) 349-3016

Authorized officer

HUGGINS, J.
<table>
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<th>Relevant to claim No.</th>
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<tr>
<td>A</td>
<td>US 3 819 121 A (ROGERS C) 25 June 1974 (1974-06-25) column 2, line 25 - line 32 figure 1</td>
<td>1</td>
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</tbody>
</table>
INTERNATIONAL SEARCH REPORT

Box I  Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II  Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

   1-10

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (1)) (July 1998)
This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-10

   The problem of engine vibration being passed to the support frame is solved by using at least one resilient isolator between the engine and the frame and the problem of tightening and loosening the drive belt is solved by the drive sheave being moveable and the drive sheave being attached to a drive member that includes a pivotal portion.

2. Claims: 11-19

   The problem of chipper tool and housing vibration being passed to the support frame is solved by using a first resilient isolator between the housing and the support frame.

3. Claim: 20

   The problem of noise pollution caused by a wood chipping machine is helped by using a noise abating curtain at least partially covering the inlet opening.

4. Claim: 21

   The problem of feeding wood to or from the cutter is solved by using the combination of a detent member, rear and front switches and a control bar.
<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>
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<tbody>
<tr>
<td>US 4074869 A</td>
<td>21-02-1978</td>
<td>NONE</td>
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<td>US 5322307 A</td>
<td>21-06-1994</td>
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