A lubricating composition that has improved air release characteristics is based on a lubricating base oil comprising an oil or mixture of oils derived from waxy hydrocarbons produced in an F-T synthesis process. The composition is substantially free of a viscoelastic fluid having a shear stress greater than 11 kPa and a viscosity greater than 30 cSt at 100°C. It is further characterized as entraining less than 1.7% air in 2 minutes and having an air release rate greater than 0.3%/min. when measured at 500°C by ASTM D 3427.
Published:
— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
Y April 2008
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
INV. C10M169/04
ADD. C10N40/25 C10N20/02 C10N40/08

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)
CIOM

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, COMPENDEX

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 2006/131210 A1 (ROSENBAUM JOHN M [US]) ET AL 22 June 2006 (2006-06-22) paragraphs [0002], [0015], [0017], [0089] - [0092], [0095], [0102] ← [0105]; claims 1-23; tables I,II, VIII, IX, X</td>
<td>1-18</td>
</tr>
</tbody>
</table>

D

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 document but published on or after the international filing date
  * L* document which may throw doubts on patentability claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
  * 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

*1* 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

*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

*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
6 February 2008

Date of mailing of the international search report
14/02/2008

Name and mailing address of the ISA
European Patent Office, P B 5818 Patentlaan 2 NL-2280 HV Rijswijk
Tel (+31-70) 340-2040 TX 31651 [pao nl, Fax (+31-70) 340-3016

Authorized officer
G ocl, Guy
<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></td>
<td></td>
<td>GB 2435601 A</td>
<td>29-08-2007</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NL 1030687 A1</td>
<td>19-06-2006</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WO 2006071595 A2</td>
<td>06-07-2006</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 2001508357 T</td>
<td>26-06-2001</td>
</tr>
<tr>
<td></td>
<td></td>
<td>US 6090758 A</td>
<td>18-07-2000</td>
</tr>
</tbody>
</table>