(51) International Patent Classification:
B01D 11/02 (2006.01)

(21) International Application Number:
PCT/EP2012/000343

(22) International Filing Date:
26 January 2012 (26.01.2012)

(25) Filing Language:
English

(26) Publication Language:
English

(30) Priority Data:
WO2011/000005 26 January 2011 (26.01.2011) IT

(71) Applicant (for all designated States except US): ATLAS FILTRI S.R.L. [IT/IT]; Via del Sarto, 227, I-35010 Limena (IT).

(72) Inventor:

(75) Inventor/Applicant (for US only): MORO, Danilo [IT/IT]; Via Conselvana, 16/C, I-35020 Maserà di Padova (IT).


Declarations under Rule 4.17:
— of inventorship (Rule 4.17(iv))

[Continued on next page]
Published:
— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER

INV. B01D11/02
ADD.

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)
B01D

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)
EPO-Internal, WPI Data

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 7 002 029 B2 (DAVIS JOHN HENRY [CH]) 21 February 2006 (2006-02-21) column 2, line 65 - column 3, line 2; figures 1,2a column 4, lines 46-51 column 5, lines 42-67 column 6, lines 34-42</td>
<td>1-5,11, 12 6-10</td>
</tr>
<tr>
<td>A</td>
<td>FR 874 250 A (CONST AERONAUTIQUES DE L OUEST) 31 July 1942 (1942-07-31) figure 6</td>
<td>1</td>
</tr>
</tbody>
</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 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 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

"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
"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
30 July 2012

Date of mailing of the international search report
06/08/2012

Name and mailing address of the ISA/
European Patent Office, P.B. 5018 Patentlaan 2
NL - 2280 HV RIJWIT
Tel: (+31-70) 340-3040,
Fax: (+31-70) 340-3016

Authorized officer
Haderlein, Andreas
<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>FR 2 915 906 A1 (OUAZZANI JAMAL [FR]; CORTIAL SYLVIE [FR]; SERGENT DIDIER [FR]; LOPES P) 14 November 2008 (2008-11-14) claims; figures</td>
<td>1</td>
</tr>
<tr>
<td>Patent document cited in search report</td>
<td>Publication date</td>
<td>Patent family member(s)</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>-----------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BR 0215426 A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CA 2472905 A1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CN 1612771 A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EP 1463574 A1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>JP 2005514193 A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>MX PA04005799 A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>US 2004147769 A1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WO 03057342 A1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WO 9206583 A1</td>
</tr>
<tr>
<td>FR 874250 A</td>
<td>31-07-1942</td>
<td>NONE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WO 2008141943 A1</td>
</tr>
</tbody>
</table>