Title: UNMANNED AERIAL VEHICLE (UAV) WITH INTER-CONNECTING WING SECTIONS

Abstract: An unmanned aerial vehicle (UAV) is described. The UAV may include a fuselage assembly and a plurality of inter-connecting wing sections. The inter-connecting wing section may include a counseling assembly on opposing lateral ends. The connecting assembly may be complementary on opposing ends. The fuselage assembly may include a complementary set of the connecting assembly on opposing lateral ends. The complementary set of the connecting assembly may be configured to connect to at least two of the inter-connecting wing sections. At least a portion of the inter-connecting wing sections may include a solar array having solar panels.
INTERNATIONAL SEARCH REPORT

INTERNATIONAL SEARCH REPORT

PCT/US 2014/046559

A. CLASSIFICATION OF SUBJECT MATTER

B64C 39/02 (2006.01)
B64C 1/30 (2006.01)
B64C 3/56 (2006.01)
B64C 7/00 (2006.01)

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)

B64C 1/00, 1/30, 3/56, 39/02, 7/00, 5/08, A63H 27/18, F16B 17/00

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)

PatSearch (RUPTO internal), USPTO, PAJ, Esp@cenet, DWPI, EAPATIS, PATENTSCOPE, Information Retrieval System of FTPS

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 2008/0149758 A1 (RICHARD D. COLGREN et al.) 26.06.2008. [0027], [0028], [0031], fig. 1</td>
<td>1, 4-5, 8-9, 10-15, 17-19, 2-3, 6-7, 16, 20</td>
</tr>
<tr>
<td>Y</td>
<td>CN 1299445 A (REMOTE CONNECTING TECH CO LTD) 13.06.2001, abstract</td>
<td>6-7, 20</td>
</tr>
<tr>
<td>Y</td>
<td>US 42058 10 A (THE BOEING COMPANY) 03.06. 1980, fig.1, Ref. no 10</td>
<td>16</td>
</tr>
<tr>
<td>A</td>
<td>RU 100491 U1 (ZAKRYTOE AKTIONERNOE OBSHESTVO &quot;AEROKON&quot;) 20.12.2010</td>
<td>1-20</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 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 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
"&" document member of the same patent family

Date of the actual completion of the international search 12 March 2015 (12.03.2015)
Date of mailing of the international search report 09 April 2015 (09.04.2015)

Name and mailing address of the ISA/RU: Federal Institute of Industrial Property, Berezhkovskaya nab., 30-1, Moscow, G-59, GSP-3, Russia, 125993 Facsimile No: (8-495) 531-63-18, (8-499) 243-33-37
Authorized officer E. Parshin
Telephone No. (499) 240-25-91

Form PCT/ISA/210 (second sheet) (January 2015)