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— *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))*

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 2013/025458

A. CLASSIFICATION OF SUBJECT MATTER

B64C 27/04 (2006.01)
G05D 1/00 (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)

G05D 1/00, 1/08, 1/10, 1/12, B64C 13/00, 13/02, 13/04, 13/08, 13/16, 13/18, 13/22, 19/00, 19/02, 27/00, 27/04, 27/20, 27/22, 29/00

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), Esp@cenet, USPTO, RUPTO

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2011/0031346 A1 (EUROCOPTER) 10.02.2011, paragraphs [0047] - [0055], [0146] - [0148], [0159] - [0183], [0214] - [0231], fig. 1-5	2-5, 7-8
Y		9-10, 30-34
A		1, 6, 11-29, 35-37
Y	EP 0313470 A1 (AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE) 26.04.1989, claims, fig. 1	30-34
A	US 6325331 B1 (BELL HELICOPTER TEXTRON INC.) 04.12.2001, col. 5, line 61 - col. 6, line 47, fig. 3	11-22
Y	US 2011/0276202 A1 (EUROCOPTER) 10.11.2011, p. 4, paragraphs [0091] - [0095]	9-10
Y	US 2010/0123045 A1 (EUROCOPTER DEUTSCHLAND GMBH) 20.05.2010, p. 4, paragraphs [0042] - [0043], fig. 1	34

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

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier document but published on or after the international filing date	"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
"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)	"&" document member of the same patent family
"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	

Date of the actual completion of the international search

30 October 2013 (30.10.2013)

Date of mailing of the international search report

05 December 2013 (05.12.2013)

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 2013/025458

C (Continuation), DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	RU 2369907 C2 (ERBYUS FRANS) 10.10.2009, p. 10, lines 20-45, fig. 1	1-37

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 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 No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

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

The claimed version has the violation of unity of invention «*a posteriori*» between the group of inventions in independent claims 1, 23, 24, 37 that differs from the prior art by content of the damping device and the invention in independent claim 11 that differs from the prior art by placing elements of the autopilot in the single enclosure.

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 additional fees, this Authority did not invite payment of additional fees.
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.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.