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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
14/517,870	10/19/2014	Michael Beaugavin Markov	BGP0003 US	6681
118309 Michael Beauga	7590 05/27/201 avin Markov	EXAMINER		
1402 Eastview Court Oceanside, CA 92056			REIS, RYAN ALEXANDER	
			ART UNIT	PAPER NUMBER
			3752	
			NOTIFICATION DATE	DELIVERY MODE
			05/27/2016	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

retariusip@gmail.com T_Lavan@msn.com

	Application No. 14/517,870	MARKOV, N	S) MICHAEL BEAUGAVIN			
Office Action Summary	Examiner RYAN REIS	Art Unit 3752	AIA (First Inventor to File) Status Yes			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the o	corresponden	nce address			
A SHORTENED STATUTORY PERIOD FOR REPLY THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	6(a). In no event, however, may a reply be till apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	mely filed in the mailing date of ED (35 U.S.C. § 13	of this communication. 33).			
Status						
1) Responsive to communication(s) filed on 04/22	<u> 2/2016</u> .					
☐ A declaration(s)/affidavit(s) under 37 CFR 1.1	30(b) was/were filed on					
2a) This action is FINAL . 2b) ☐ This	action is non-final.					
3) An election was made by the applicant in response	onse to a restriction requirement	set forth duri	ing the interview on			
the restriction requirement and election	•					
4) Since this application is in condition for allowan	ce except for formal matters, pro	osecution as	to the merits is			
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 4	53 O.G. 213.				
Disposition of Claims*						
5) Claim(s) <u>1-20</u> is/are pending in the application.						
5a) Of the above claim(s) <u>8-20</u> is/are withdrawn	from consideration.					
6) Claim(s) is/are allowed.						
7) Claim(s) <u>1 and 4-7</u> is/are rejected.						
8) Claim(s) <u>2 and 3</u> is/are objected to.						
9) Claim(s) are subject to restriction and/or	election requirement.					
If any claims have been determined <u>allowable</u> , you may be eligible to benefit from the Patent Prosecution Highway program at a						
participating intellectual property office for the corresponding ap						
http://www.uspto.gov/patents/init_events/pph/index.jsp or send	an inquiry to <u>PPHfeedback@uspto.</u>	<u>gov</u> .				
Application Papers						
10) The specification is objected to by the Examine	•					
11) \boxtimes The drawing(s) filed on $10/19/2014$ is/are: a) \boxtimes		v the Examin	er			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correcti	- 1 1					
• • • • • • • • • • • • • • • • • • • •	3()	,	()			
Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign	priority under 25 U.S.C. & 110/e) (d) or (f)				
Certified copies:	priority under 35 0.5.C. § 119(a)-(u) or (i).				
a) ☐ All b) ☐ Some** c) ☐ None of the:						
1. ☐ Certified copies of the priority document	s have been received					
· · · · · · · · · · · · · · · · · · ·		tion No.				
 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage 						
application from the International Bureau	-		3			
** See the attached detailed Office action for a list of the certifie	* **					
Attachment(s)						
1) Notice of References Cited (PTO-892)	3) 🔲 Interview Summary	/ (PTO-413)				
2) X Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/S	Paper No(s)/Mail D	ate				
Paper No(s)/Mail Date	4) Other:					

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DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of claims 1-7 in the reply filed on 04/22/2016 is acknowledged.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a)(1) the claimed invention was patented, described in a printed publication, or in public use, on sale or otherwise available to the public before the effective filing date of the claimed invention.

3. Claims 1 and 4-7 are rejected under 35 U.S.C. 102(a)(1) as being anticipated by US Patent 6,056,237 to Woodland (Woodland).

As to claim 1, Woodland discloses an apparatus to aerially dispense payload containers from an aircraft, comprising: an outer portion (28), comprising an opening (at 38) to allow a payload container (37) to leave the apparatus when the payload container is in alignment with the opening; an inner portion (31), configured to rotate within the outer portion, wherein the inner portion comprises one or more cutouts (210) that retain the payload container; and an actuator (29), coupled to the inner portion; and a processor circuit (15), wherein the processor circuit commands the actuator to rotate the

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inner portion to cause the payload container to align with the opening (see column 8, line 49 to column 9, line 35).

As to claim 4, Woodland discloses the opening faces downward when the aircraft is airborne, wherein gravity causes a payload container to fall from the apparatus (see Figures 7-11).

As to claim 5, Woodland discloses the actuator is a servo, wherein the control circuit controls the servo to rotate the inner portion a predetermined angle such that a next cutout is in alignment with the opening (see column 8, line 49 to column 9, line 35).

As to claim 6, Woodland discloses after the payload containers are loaded into the apparatus and before the aircraft is airborne, the inner portion is oriented such that no payload containers are in alignment with the opening (no payload containers exit opening until doors are actuated in flight; see column 8, line 49 to column 9, line 35).

As to claim 7, Woodland discloses the aircraft is a remotely-piloted aircraft, wherein a ground based operator wirelessly controls the aircraft and the processor circuit with at least one of a wireless transmitter and a stored program on the aircraft (see Abstract; see also column 8, line 49 to column 9, line 35).

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Allowable Subject Matter

4. Claims 2 and 3 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

5. The following is a statement of reasons for the indication of allowable subject matter: As to claim 2, the prior art of record does not show the payload containers being made from biodegradable material and storing insects along with the other limitations of the claim. Claim 3 also contains allowable subject matter for further limiting the allowable subject matter of claim 2 from which it depends.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. US Patents 4,208,949 to Boilsen; 4,333,384 to Arnold and 4,608,907 to Ellis et al. and US Patent Application Publications 2003/0192992 to Olsen et al.; 2005/0204910 to Padan and 2006/0102792 to Pitzer et al. show devices to dispense payloads from aircraft having an inner portion that rotates relative to an outer portion.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to RYAN REIS whose telephone number is (571)270-5060.

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The examiner can normally be reached on Monday through Friday 8:00am to 6:00pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Arthur Hall can be reached on (571) 270-1814. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/RYAN REIS/ Primary Examiner, Art Unit 3752 05/24/2016