

## PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: LARRY HARRIS  
ATHORUS, PLLC  
P.O. BOX 990  
SEATTLE, WA 98111

**PCT**

NOTIFICATION OF TRANSMITTAL OF  
THE INTERNATIONAL SEARCH REPORT AND  
THE WRITTEN OPINION OF THE INTERNATIONAL  
SEARCHING AUTHORITY, OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing  
(day/month/year)

**29 DEC 2014**

Applicant's or agent's file reference  
1100408

**FOR FURTHER ACTION** See paragraphs 1 and 4 below

International application No.  
PCT/US2014/058497

International filing date  
(day/month/year) **30 September 2014**

Applicant **AMAZON TECHNOLOGIES, INC.**

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

**Filing of amendments and statement under Article 19:**

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

**When?** The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.

**How?** Directly to the International Bureau of WIPO preferably through ePCT or on paper to, 34 chemin des Colombettes  
1211 Geneva 20, Switzerland, Facsimile No.: +41 22 338 82 70

**For more detailed instructions, see *PCT Applicant's Guide*, International Phase, paragraphs 9.004 – 9.011.**

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.

3. ☐ **With regard to any protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

☐ the protest together with the decision thereon has been transmitted to the International Bureau together with any request to forward the texts of both the protest and the decision thereon to the designated Offices.

☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

**4. Reminders**

The applicant may **submit comments on an informal basis on the written opinion of the International Searching Authority** to the International Bureau. These comments will be made available to the public after international publication. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established.

Shortly after the expiration of **18 months from the priority date, the international application will be published** by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau before the completion of the technical preparations for international publication (Rules 90bis.1 and 90bis.3).

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase **until 30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for **entry into the national phase** before those designated Offices. In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months. For details about the applicable time limits, Office by Office, see [www.wipo.int/pct/en/texts/time\\_limits.html](http://www.wipo.int/pct/en/texts/time_limits.html) and the *PCT Applicant's Guide*, National Chapters.

Within **19 months from the priority date, the applicant may request that a supplementary international search be carried out** by a different International Searching Authority that offers this service (Rule 45bis.1). The procedure for requesting supplementary international search is described in the *PCT Applicant's Guide*, International Phase, paragraphs 8.006-8.032.

Name and mailing address of the ISA/  
Mail Stop PCT, Attn: ISA/US  
Commissioner for Patents  
P.O. Box 1450, Alexandria, Virginia 22313-1450  
Facsimile No. 571-273-3201

Authorized officer

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300  
Telephone No. PCT OSP: 571-272-7774

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 1100408	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US2014/058497	International filing date ( <i>day/month/year</i> ) 30 September 2014	(Earliest) Priority Date ( <i>day/month/year</i> ) 26 October 2013
Applicant AMAZON TECHNOLOGIES, INC.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

## 1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of:

☒ the international application in the language in which it was filed.

☐ a translation of the international application into \_\_\_\_\_ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

b. ☐ This international search report has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. ☒ Certain claims were found unsearchable (see Box No. II).

3. ☐ Unity of invention is lacking (see Box No. III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2, by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2014/058497

**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.: 2-5, 7-11, 13-15  
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:

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.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2014/058497

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01C 21/36 (2014.01)

CPC - G01C 21/36 (2014.11)

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)

IPC(8) - G01C 21/36; G06Q 10/00, 50/00; G06F 3/048 (2014.01)

USPC - 701/3; 705/34, 333

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
CPC - G01C 21/36; G06Q 10/00, 50/00; G06F 3/048 (2014.11) (keyword delimited)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Google, Orbit, Google Patents

Search terms used: unmanned, aerial vehicles, automatic, pickup, delivery, goods

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2010/0169199 A1 (FULLER et al) 01 July 2010 (01.07.2010) entire document	1, 6, 12
Y	US 2011/0084162 A1 (GOOSSEN et al) 14 April 2011 (14.04.2011) entire document	1, 6, 12
A	US 2013/0072228 A1 (NAGUIB et al) 21 March 2013 (21.03.2013) entire document	1, 6, 12
A	US 2013/0240673 A1 (SCHLOSSER et al) 19 September 2013 (19.09.2013) entire document	1, 6, 12

☐ Further documents are listed in the continuation of Box C.

\* 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

"&amp;" document member of the same patent family

Date of the actual completion of the international search

16 December 2014

Date of mailing of the international search report

29 DEC 2014

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US, Commissioner for Patents  
P.O. Box 1450, Alexandria, Virginia 22313-1450

Facsimile No. 571-273-3201

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300  
PCT OSP: 571-272-7774

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To: LARRY HARRIS  
ATHORUS, PLLC  
P.O. BOX 990  
SEATTLE, WA 98111

PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing (day/month/year)		29 DEC 2014
Applicant's or agent's file reference 1100408		FOR FURTHER ACTION See paragraph 2 below
International application No. PCT/US2014/058497	International filing date (day/month/year) 30 September 2014	Priority date (day/month/year) 26 October 2013
International Patent Classification (IPC) or both national classification and IPC IPC(8) - G01C 21/36 (2014.01) CPC - G01C 21/36 (2014.11)		
Applicant AMAZON TECHNOLOGIES, INC.		

## 1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☒ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201	Date of completion of this opinion  16 December 2014	Authorized officer:  Blaine R. Copenheaver  PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774
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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US2014/058497

## Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of:

- ☒ the international application in the language in which it was filed.  
☐ a translation of the international application into \_\_\_\_\_ which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).

2. ☐ This opinion has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43bis.1(a))

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:

## a. (means)

- ☐ on paper  
☐ in electronic form

## b. (time)

- ☐ in the international application as filed  
☐ together with the international application in electronic form  
☐ subsequently to this Authority for the purposes of search

4. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

5. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.  
PCT/US2014/058497

**Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability**

The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application.

☒ claims Nos. 2-5, 7-11, 13-15

because:

☐ the said international application, or the said claims Nos. \_\_\_\_\_ relate to the following subject matter which does not require an international search (*specify*):

☒ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. 2-5, 7-11, 13-15 are so unclear that no meaningful opinion could be formed (*specify*):

Claims 2-5, 7-11, 13-15 are multiple dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4 (a).

☐ the claims, or said claims Nos. \_\_\_\_\_ are so inadequately supported by the description that no meaningful opinion could be formed (*specify*):

☒ no international search report has been established for said claims Nos. 2-5, 7-11, 13-15

☐ a meaningful opinion could not be formed without the sequence listing; the applicant did not, within the prescribed time limit

☐ furnish a sequence listing on paper complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.

☐ furnish a sequence listing in electronic form complying with the standard provided for in Annex C of the Administrative Instructions, and such listing was not available to the International Searching Authority in a form and manner acceptable to it.

☐ pay the required late furnishing fee for the furnishing of a sequence listing in response to an invitation under Rule 13ter.1(a) or (b).

☐ See Supplemental Box for further details.

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/058497

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1, 6, 12	YES
	Claims	None	NO
Inventive step (IS)	Claims	None	YES
	Claims	1, 6, 12	NO
Industrial applicability (IA)	Claims	1, 6, 12	YES
	Claims	None	NO

**2. Citations and explanations:**

Claims 1, 6, 12, lack an inventive step under PCT Article 33(3) as being obvious over Fuller et al., hereinafter referred to as Fuller in view of Goossen et al., hereinafter referred to as Goossen.

Regarding claim 1, Fuller discloses a system for delivery of items to a destination location, (figs.1 & 3 shows a method 300 wherein the truck arrives at the first cargo delivery location and delivers the cargo to a desired location pursuant to instructions provided in the cargo delivery data set, para 0067, 0072) comprising: a plurality of vehicles, each of the plurality of vehicles configured to transport items (fig.1 shows a system 100 that comprises a host trucking management system 110 and plurality of truckload trucks 102, 104, 106 and 108 used for cargo delivering, para 0046, 0047); a vehicle management system configured to at least: receive a request to deliver an item to a destination location (instructions are sent from a trucking company headquarters through the host trucking management system 110 to the communication module in the vehicle, to automatically provide pickup location and driving directions, para 0048, 0049); and send to a vehicle of the plurality of the vehicles, delivery parameters identifying a source location that includes the item and a destination location (fig.8A is a screen of a dispatch message 800A sent from the trucking management system to a driver, the dispatch message comprises the cargo pickup location which is in Washington, W. Va and the cargo delivery location is in Virginia Beach, Va., para 0114, 0115); wherein the vehicle, in response to receiving the delivery parameters, is further configured to at least: navigate a navigation route to the destination location (the driver of the truck receives a first cargo pick-up location 210, as the driver begins to move his truck the communications module provides navigational instructions that are automatically generated, the instructions are in the form of a visual maps, para 0060, 0061); and disengage the item (the first cargo delivery location 220 is reached and the load is entirely unloaded at the delivery location 220, para 0062), but lacks the teaching of a system for aerial delivery of items to a destination location, comprising: a plurality of unmanned aerial vehicles, each of the plurality of unmanned aerial vehicles configured to aially transport items; an unmanned aerial vehicle management system configured; wherein the unmanned aerial vehicle, is further configured to at least: navigate to the source location; engage the item located at the source location.

Gooseen is in the field of an unmanned aerial vehicle for making partial deliveries of cargo (abstract) and teaches a system for aerial delivery of items to a destination location (the unmanned aerial vehicle (UAV) 20 approaches the first supply location 27 and under autonomous control lands at the first supply location, and the UAV 20 deposits the cargo by dropping it at that location, para 0032), comprising: a unmanned aerial vehicles configured to aially transport items (the UAV 20 approaches the first supply location 27 and under autonomous control lands at the first supply location, and the UAV 20 deposits the cargo by dropping it at that location, para 0032); an unmanned aerial vehicle management system configured (fig.2 shows the UAV with attached autonomous payload parsing management system, para 0029, 0030) wherein the unmanned aerial vehicle, is further configured to at least: navigate to the source location; engage the item located at the source location (the UAV 20 fly's from the first supply location 27 to a second supply location 21 autonomously and approaches a second supply location 31, where additional cargo is loaded into the UAV 20, the cargo provisions include food, clothing or ammunitions, the UAV 20 pickups the cargos and flies away from the second supply location, para 0034-0038). It would have been obvious to one of ordinary skill in the art at the time of the invention to use the teachings of Gooseen to incorporate a system for aerial delivery of items to a destination location, comprising: a unmanned aerial vehicles configured to aially transport items; an unmanned aerial vehicle management system configured, wherein the unmanned aerial vehicle, is further configured to at least: navigate to the source location; engage the item located at the source location into the invention of Fuller. The motivation would have been to reduce the chances of detection and destruction by enemy forces and fuel costs (see Gooseen para 0010).



**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/US2014/058497

**Supplemental Box**

In case the space in any of the preceding boxes is not sufficient.

Continuation of:

Regarding claim 6, Fuller discloses a method, comprising: receiving a request to deliver an item to a destination location (instructions are sent from a trucking company headquarters through the host trucking management system 110 to the communication module in the vehicle, to automatically provide pickup location and driving directions, para 0048, 0049); selecting a vehicle (fig.8A is a screen of a dispatch message 800A sent from the trucking management system to a driver, the dispatch message comprises the cargo pickup location which is in Washington, W. Va and the cargo delivery location is in Virginia Beach, Va., para 0114, 0115); sending delivery parameters to the selected vehicle (the driver of the truck receives a first cargo pick-up location 210, as the driver begins to move his truck the communications module provides navigational instructions that are automatically generated, the instructions are in the form of a visual maps, para 0060, 0061) and delivering the item from a source location to the destination location with the selected vehicle (the driver of the truck receives a first cargo pick-up location 210, as the driver begins to move his truck the communications module provides navigational instructions that are automatically generated, the instructions are in the form of a visual maps, para 0060, 0061), but lacks the teaching of selecting an unmanned aerial vehicle and autonomously delivering the item from a source location to the destination location with the selected unmanned aerial vehicle.

Gooseen is in the field of an unmanned aerial vehicle for making partial deliveries of cargo (abstract) and teaches an unmanned aerial vehicle (the unmanned aerial vehicle (UAV) 20 approaches the first supply location 27 and under autonomous control lands at the first supply location, and the UAV 20 deposits the cargo by dropping it at that location, para 0032) and autonomously delivering the item from a source location to the destination location with the selected unmanned aerial vehicle (the UAV 20 fly's from the first supply location 27 to a second supply location 21 autonomously and approaches a second supply location 31, where additional cargo is loaded into the UAV 20, the cargo provisions include food, clothing or ammunitions, the UAV 20 pickups the cargos and flies away from the second supply location, para 0034-0038). It would have been obvious to one of ordinary skill in the art at the time of the invention to use the teachings of Gooseen to incorporate an unmanned aerial vehicle and autonomously delivering the item from a source location to the destination location with the selected unmanned aerial vehicle into the invention of Fuller. The motivation would have been to reduce the chances of detection and destruction by enemy forces and fuel costs (see Gooseen para 0010).

Regarding claim 12, Fuller discloses a system for transport of items using vehicles (figs.1 & 3 shows a method 300 wherein the truck arrives at the first cargo delivery location and delivers the cargo to a desired location pursuant to instructions provided in the cargo delivery data set, para 0067, 0072), comprising: a plurality of vehicles, each of the vehicles configured to at least (fig.1 shows a system 100 that comprises a host trucking management system 110 and plurality of truckload trucks 102, 104, 106 and 108 used for cargo delivering, para 0046, 0047); wirelessly receive information from a vehicle management system (instructions are sent from a trucking company headquarters through the host trucking management system 110 to the communication module in the vehicle, to automatically provide pickup location and driving directions, para 0048, 0049); and navigate between a source location and a destination location along a navigation path (the driver of the truck receives a first cargo pick-up location 210, as the driver begins to move his truck the communications module provides navigational instructions that are automatically generated, the instructions are in the form of a visual maps, para 0060, 0061); and a vehicle management system configured to wirelessly communicate with each of the plurality of vehicles (fig.8A is a screen of a dispatch message 800A sent from the trucking management system to a driver, the dispatch message comprises the cargo pickup location which is in Washington, W. Va and the cargo delivery location is in Virginia Beach, Va., para 0114, 0115); but lacks the teaching of a system for aerial transport of items using unmanned aerial vehicles, comprising: wirelessly receive information from an unmanned aerial vehicle management system; selectively engage and disengage inventory items;

Gooseen is in the field of an unmanned aerial vehicle for making partial deliveries of cargo (abstract) and teaches a system for aerial delivery of items to a destination location (the unmanned aerial vehicle (UAV) 20 approaches the first supply location 27 and under autonomous control lands at the first supply location, and the UAV 20 deposits the cargo by dropping it at that location, para 0032), comprising: a unmanned aerial vehicles configured to aerielly transport items (the UAV 20 approaches the first supply location 27 and under autonomous control lands at the first supply location, and the UAV 20 deposits the cargo by dropping it at that location, para 0032; fig.2 shows the UAV with attached autonomous payload parsing management system, para 0029, 0030) selectively engage and disengage inventory items (the UAV 20 fly's from the first supply location 27 to a second supply location 21 autonomously and approaches a second supply location 31, where additional cargo is loaded into the UAV 20, the cargo provisions include food, clothing or ammunitions, the UAV 20 pickups the cargos and flies away from the second supply location, para 0034-0038) and aerielly navigate between a source location and a destination location along a navigation path (the UAV 20 fly's from the first supply location 27 to a second supply location 21 autonomously and approaches a second supply location 31, where additional cargo is loaded into the UAV 20, the cargo provisions include food, clothing or ammunitions, the UAV 20 pickups the cargos and flies away from the second supply location, para 0034-0038). It would have been obvious to one of ordinary skill in the art at the time of the invention to use the teachings of Gooseen to incorporate a system for aerial delivery of items to a destination location, comprising: a unmanned aerial vehicles configured to aerielly transport items, selectively engage and disengage inventory items and aerielly navigate between a source location and a destination location along a navigation path into the invention of Fuller. The motivation would have been to reduce the chances of detection and destruction by enemy forces and fuel costs (see Gooseen para 0010).

Claims 1, 6, 12, meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.