

WEBINAR INOVA IFSP

Mapeamento tecnológico
em patentes para acelerar
o desenvolvimento tecnológico
e identificar oportunidades
de pesquisa

Dia 4 de maio de 2020, às 10h
no link: nova.ifsp.edu.br/eventos



Apresentador:
Ricardo Horiuchi
Innovation Consultant
Clarivate Analytics



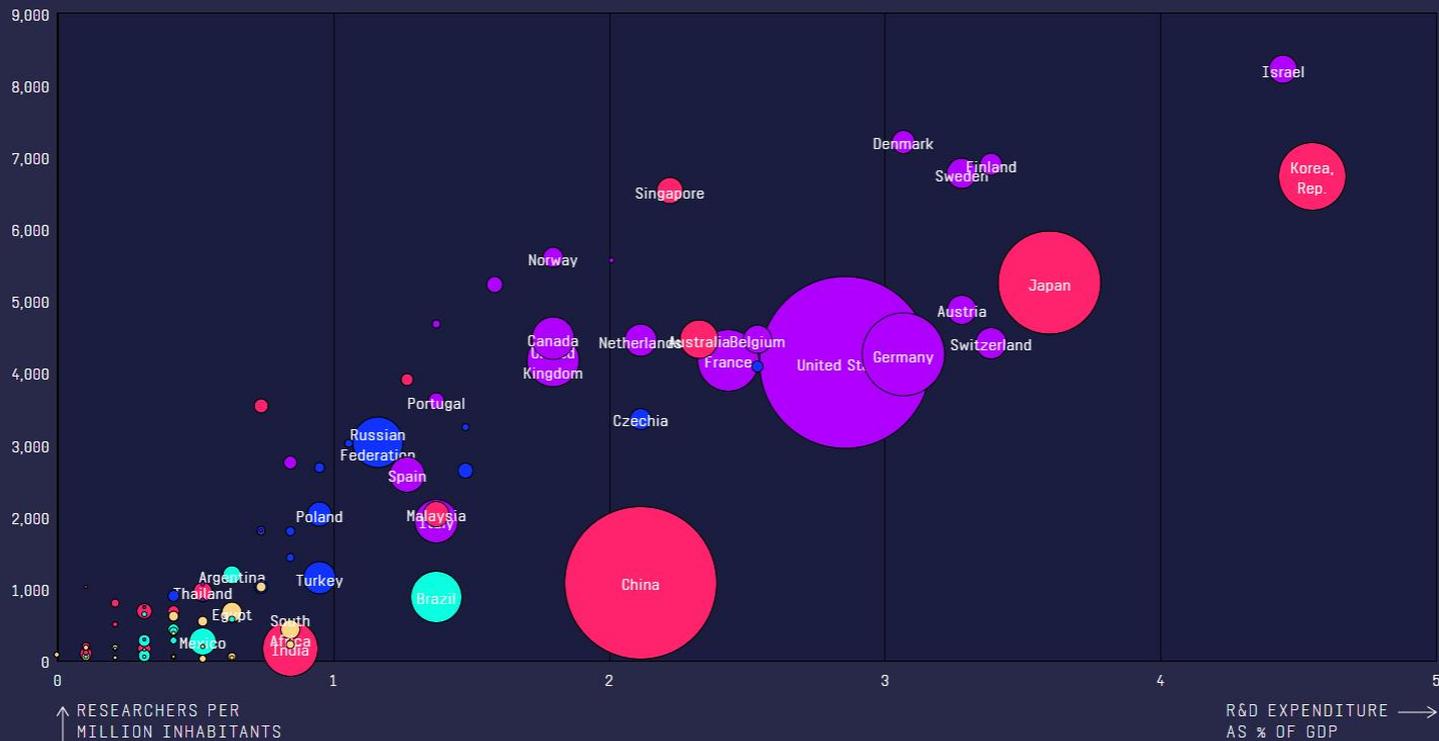
INFORMAÇÃO CIENTÍFICA E TECNOLÓGICA



Investimento em P&D pré-Covid-19

FIND COUNTRY or VIEW A REGION

Total expenditure PPP\$ 



Investimentos em P&D

- Como será no pós-Covid-19 ?



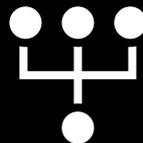
Importância das informação de patentes



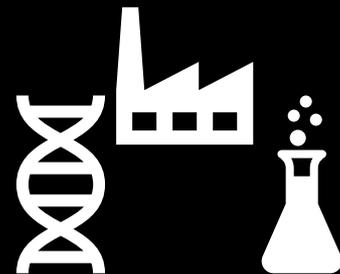
- Visão global
- Plataformas e dados



- Informação estruturada



- Tecnologias classificadas



- Cobertura em todas as áreas tecnológicas

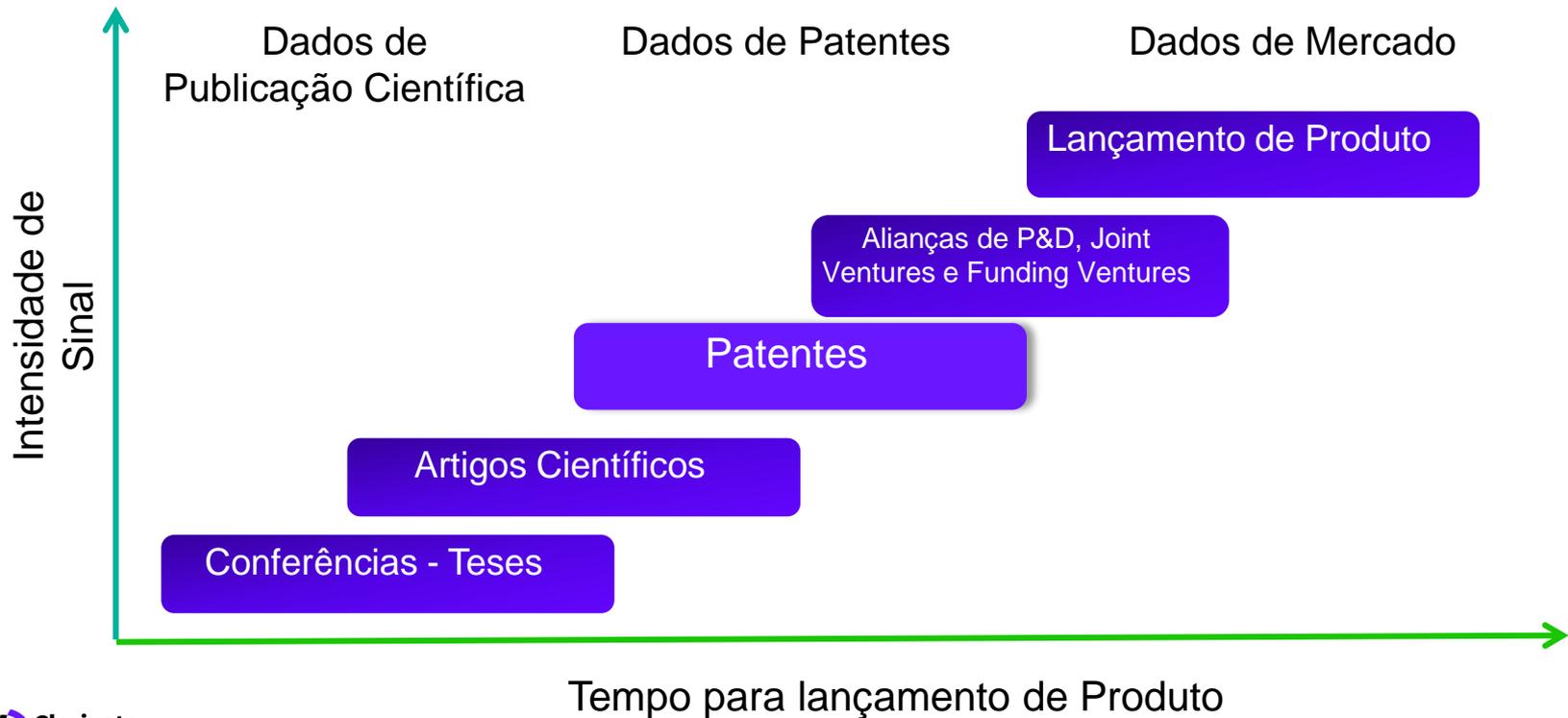
Mapeamento Tecnológico – PLR (Patent Landscape Report)

- Possibilita fundamentar decisões baseada em informações de forma eficiente.
- Desenvolvida para abordar as preocupações associadas à tomada de decisão de alto risco em várias áreas tecnológicas
- Decisões baseada em dados e evidências que mitigam o risco.



Rastreando Inovação

Analisar um espectro de bancos de dados que abrangem diferentes estágios ao longo de uma inovação tecnológica pode ajudar a avaliar a maturidade da tecnologia.



“Utilizar repertório de patentes e literatura científica podem ser uma janela para a inovação.”

A.B Jaffe, G. de Rassenfossé





The magic of patent information

Soonwoo Hong

Evolução das busca de informação



INOVAÇÕES GERADAS NA UNIVERSIDADES



UF UNIVERSITY of FLORIDA



FOOTBALL



THE UNIVERSITY OF SYDNEY



UNIVERSITY OF TORONTO

Google  Stanford University

NETFLIX

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Rastreando Inovação



(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2018/0065749 A1**
Cantrell et al. (43) **Pub. Date:** **Mar. 8, 2018**

(54) **SYSTEMS AND METHODS FOR POLLINATING CROPS VIA UNMANNED VEHICLES**

Publication Classification

(71) Applicant: **Wal-Mart Stores, Inc.**, Bentonville, AR (US)

(51) **Int. Cl.**
B64D 1/22 (2006.01)
A01G 1/00 (2006.01)
B64C 39/02 (2006.01)
G06K 9/00 (2006.01)
G06K 9/78 (2006.01)

(72) Inventors: **Robert L. Cantrell**, Herndon, VA (US); **John P. Thompson**, Bentonville, AR (US); **David C. Winkle**, Bella Vista, AR (US); **Michael D. Atchley**, Springdale, AR (US); **Donald R. High**, Noel, MO (US); **Todd D. Mattingly**, Bentonville, AR (US); **Brian G. McHale**, Greater Manchester (GB); **John J. O'Brien**, Farmington, AR (US); **John F. Simon**, Pembroke Pines, FL (US)

(52) **U.S. Cl.**
 CPC *B64D 1/22* (2013.01); *A01G 1/001* (2013.01); *B64C 39/024* (2013.01); *B64C 2201/146* (2013.01); *G06K 9/78* (2013.01); *B64C 2201/128* (2013.01); *B64C 2201/127* (2013.01); *G06K 9/00657* (2013.01)

(21) Appl. No.: **15/697,106**

(57) **ABSTRACT**

(22) Filed: **Sep. 6, 2017**

Related U.S. Application Data

(60) Provisional application No. 62/384,920, filed on Sep. 8, 2016.

In some embodiments, methods and systems of pollinating crops include one or more unmanned vehicles including a pollen applicator configured to collect pollen from a flower of a first crop and to apply the pollen collected from the flower of the first crop onto a flower of a second crop and a sensor configured to detect presence of the pollen applied to the flower of the second crop by the pollen applicator to verify that the pollen collected from the flower of the first crop by the pollen applicator was successfully applied by the pollen applicator onto the flower of the second crop.

Rastreando Inovação

amazon



US 20170175413A1

(19) **United States**(12) **Patent Application Publication** (43) Pub. No.: **US 2017/0175413 A1****Curlander et al.**(43) **Pub. Date: Jun. 22, 2017**

(54) **MULTI-LEVEL FULFILLMENT CENTER FOR UNMANNED AERIAL VEHICLES**

(71) Applicant: **Amazon Technologies, Inc.**, Seattle, WA (US)

(72) Inventors: **James Christopher Curlander**, Bellevue, WA (US); **Asaf Gilboa-Amir**, Seattle, WA (US); **Lauren Marie Kisser**, Seattle, WA (US); **Robert Arthur Koch**, Issaquah, WA (US); **Ricky Dean Welsh**, Bellevue, WA (US)

(21) Appl. No.: **14/975,618**

(22) Filed: **Dec. 18, 2015**

Publication Classification

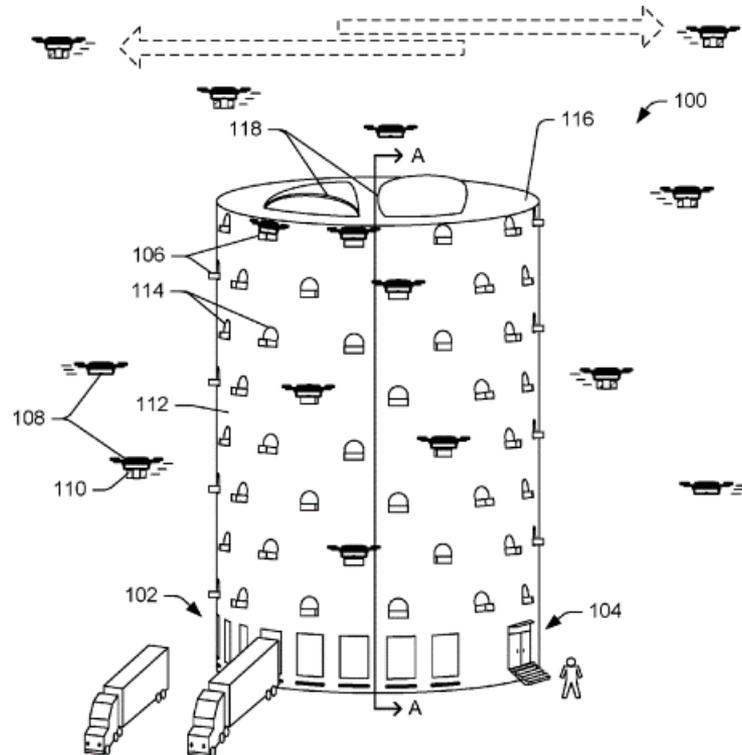
(51) **Int. Cl.**
E04H 14/00 (2006.01)
B64C 39/02 (2006.01)
B64F 1/02 (2006.01)
B64F 1/32 (2006.01)

B64F 1/10 (2006.01)
B64F 1/36 (2006.01)

(52) **U.S. CL.**
 CPC *E04H 14/00* (2013.01); *B64F 1/10* (2013.01); *B64F 1/362* (2013.01); *B64F 1/025* (2013.01); *B64F 1/32* (2013.01); *B64C 39/024* (2013.01); *B64C 2201/128* (2013.01); *B64C 2201/20* (2013.01); *B64C 2201/18* (2013.01); *B64C 2201/066* (2013.01)

(57) ABSTRACT

A multi-level (ML) fulfillment center is designed to accommodate landing and takeoff of unmanned aerial vehicles (UAVs), possibly in an urban setting, such as in a densely populated area. Unlike traditional fulfillment centers, the ML fulfillment centers may include many levels (i.e., stories, floors, etc.) as permitted under zoning regulations for respective areas. The fulfillment center may have one or more landing locations and one or more deployment locations to accommodate UAVs, which may delivery at least some of the items from the fulfillment center to locations associated with customers.



Rastreando Inovação

amazon



US010346789B1

(12) United States Patent Berg et al.

(54) GAS-FILLED AERIAL TRANSPORT AND METHODS OF DEPLOYING UNMANNED AERIAL VEHICLES IN DELIVERING PRODUCTS

(71) Applicant: **Amazon Technologies, Inc.**, Seattle, WA (US)

(72) Inventors: **Paul William Berg**, Seattle, WA (US);
Scott Isaacs, Bellevue, WA (US);
Kelsey Lynn Blodgett, Seattle, WA (US)

(73) Assignee: **Amazon Technologies, Inc.**, Seattle, WA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(10) Patent No.: **US 10 346 789 B1**

(45) Date of Patent: ***Jul. 9, 2019**

(58) Field of Classification Search
None
See application file for complete search history.

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5,521,817 A 5/1996 Burdoin et al.
6,895,301 B2 5/2005 Mountz
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Webster, Michael "DOD proposes new giant spy airship—or is already here?" Mar. 16, 2009, <https://www.prlog.org/10199736-do-proposed-new-giant-spy-airship-or-is-it-already-here> . . . , downloaded from internet on Apr. 13, 2017, 3 pages.

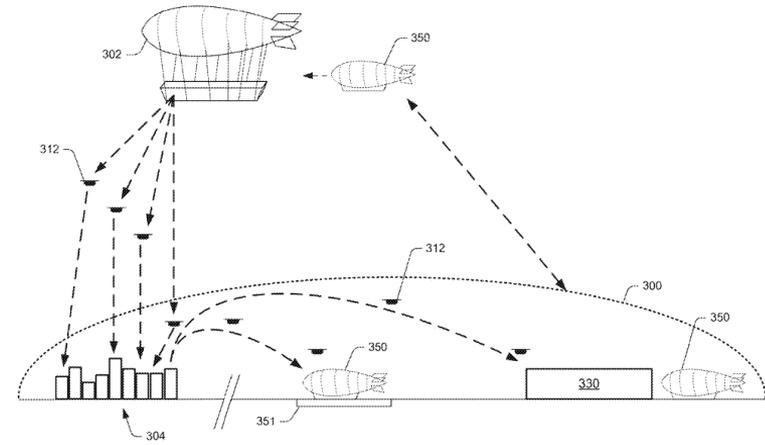
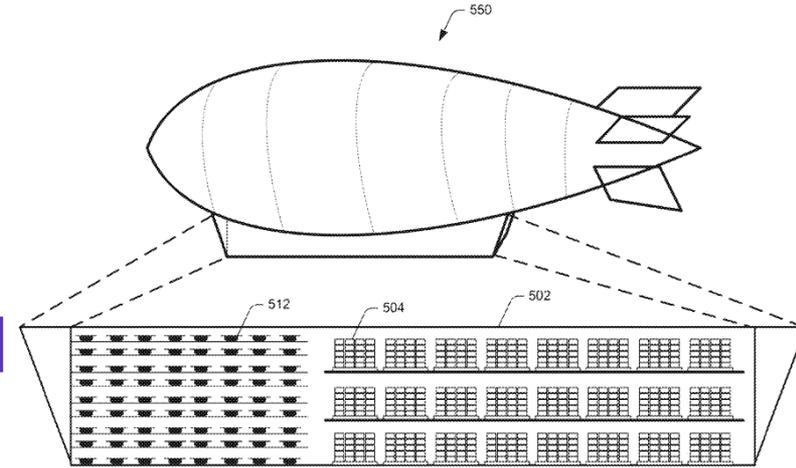




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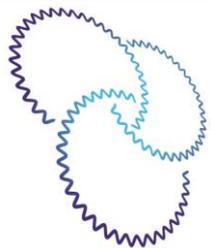
<https://doi.org/10.1016/j.wpi.2013.12.002>

Estratégia

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The Lifecycle of Innovation



<https://www.youtube.com/watch?v=PKDVnIE3Ki4&t=12s>



ricardo.horiuchi@clarivate.com

Ricardo Horiuchi | (11) 99949-1693 | ricardo.horiuchi@clarivate.com | [clarivate.com](https://www.clarivate.com)