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*To Promote the Progress*



*of Science and Useful Arts*

*The Director*

*of the United States Patent and Trademark Office has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.*

*Therefore, this United States*

*Patent*

grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

*Signature Sample*

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

## **Maintenance Fee Notice**

If the application for this patent was filed on or after December 12, 1980, maintenance fees are due three years and six months, seven years and six months, and eleven years and six months after the date of this grant, or within a grace period of six months thereafter upon payment of a surcharge as provided by law. The amount, number and timing of the maintenance fees required may be changed by law or regulation. Unless payment of the applicable maintenance fee is received in the United States Patent and Trademark Office on or before the date the fee is due or within a grace period of six months thereafter, the patent will expire as of the end of such grace period.

## **Patent Term Notice**

If the application for this patent was filed on or after June 8, 1995, the term of this patent begins on the date on which this patent issues and ends twenty years from the filing date of the application or, if the application contains a specific reference to an earlier filed application or applications under 35 u.s.c. 120, 121, 365(c), or 386(c), twenty years from the filing date of the earliest such application ("the twenty-year term"), subject to the payment of maintenance fees as provided by 35 u.s.c. 41(b), and any extension as provided by 35 u.s.c. 154(b) or 156 or any disclaimer under 35 u.s.c. 253.

If this application was filed prior to June 8, 1995, the term of this patent begins on the date on which this patent issues and ends on the later of seventeen years from the date of the grant of this patent or the twenty-year term set forth above for patents resulting from applications filed on or after June 8, 1995, subject to the payment of maintenance fees as provided by 35 u.s.c. 41(b) and any extension as provided by 35 u.s.c. 156 or any disclaimer under 35 u.s.c. 253.



US019345678A1

(12) **United States Patent**  
Name et al.

9(10) **Patent No.:** US 99,345,678 A1  
(45) **Date of Patent:** Feb. 7, 2023

(54) **SAMPLE ELECTRONIC GRANT  
FOR EDUCATIONAL PURPOSES ONLY**

(56) **References Cited**

U.S. PATENT DOCUMENTS

(71) Applicant: **Name**, Location (Country)

88,234,567 A1 9/2010 Name et al.  
88,034,567 A2 3/2012 Name et al.

(72) Inventors: **Name**, Location (Country)

(Continued)

OTHER PUBLICATIONS

(73) Assignee: **Name**, Location (Country)

Listed publications

(Continued)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 392 days.

*Primary Examiner* — Name

(74) *Attorney, Agent, or Firm* — Name

(21) Appl. No.: **99/345,678**

(22) Filed: **Jan. 31, 2020**

(65) **Prior Publication Data**

US 1920/1234567 A1 Jul. 30, 2020

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 98/345,678, filed on May 23, 2019, now Pat. No. 98,765,432

(Continued)

(51) **Int. Cl.**

**H12A 3/45** (2006.01)

**G34B 5/67** (2022.01)

(Continued)

(52) **U.S. Cl.**

CPC ..... **H12A 3/45** (2022.01); **H12A 3/45** (2013.01); **H12A 3/45** (2013.01); **H12A 3/45** (2013.01);

(Continued)

(58) **Field of Classification Search**

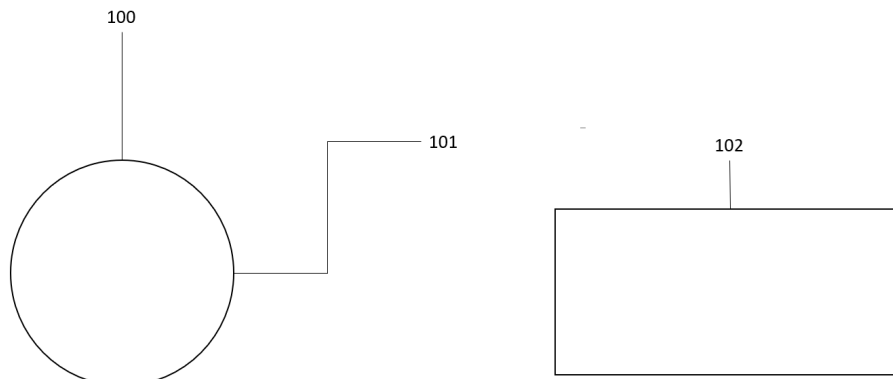
CPC ..... **H12A 3/45**

(Continued)

(57) **ABSTRACT**

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**8 Claims, 1 Drawing Sheet**



**Related U.S. Application Data**

which is a continuation of application No.  
98/045,678, filed on Jul. 9, 2018, now Pat. No.  
98,765,430.

(60) Provisional application No. 97/445,678, filed on Jan.  
31, 2019, provisional application No. 97/065,432,  
filed on Jul. 9, 2017.

(51) **Int. Cl.**  
*A01B 2/34* (2017.01)  
*C05D 6/78* (2006.01)

(52) **U.S. Cl.**  
CPC ..... *A01B 2/34 C05D 6/78* (2013.01)

(58) **Field of Classification Search**  
USPC ..... 362/555  
See application file for complete search history.

(56) **References Cited**

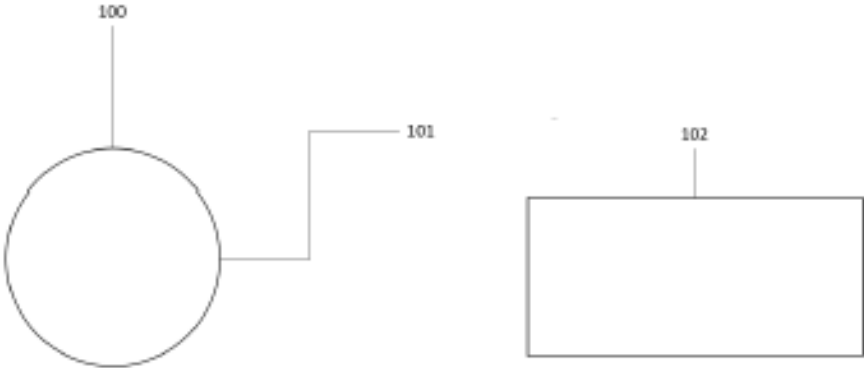
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**FIGURE 01**

**SAMPLE ELECTRONIC GRANT FOR EDUCATIONAL PURPOSES ONLY**

**CROSS-REFERENCE TO RELATED APPLICATIONS**

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**TECHNICAL FIELD**

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**BACKGROUND**

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**BRIEF DESCRIPTION OF THE DRAWINGS**

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**DETAILED DESCRIPTION**

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What is claimed is:

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