

5. Finalmente, a continuación, se encuentra la tabla donde se consigna la correspondencia de las reivindicaciones que han sido concedidas por la USPTO y las actualmente presentadas ante la SIC.

TABLA DE CORRESPONDENCIA	
Reivindicaciones presentadas ante la SIC como OSP	Reivindicaciones consideradas patentables por la USPTO
Reivindicación 1	Reivindicación 1
Reivindicación 2	Reivindicación 2
Reivindicación 3	Reivindicación 3
Reivindicación 4	Reivindicación 4
Reivindicación 5	Reivindicación 5
Reivindicación 6	Reivindicación 6
Reivindicación 7	Reivindicación 7
Reivindicación 8	Reivindicación 8
Reivindicación 9	Reivindicación 9
Reivindicación 10	Reivindicación 10
Reivindicación 11	Reivindicación 11
Reivindicación 12	Reivindicación 12
Reivindicación 13	Reivindicación 13
Reivindicación 14	Reivindicación 14
Reivindicación 15	Reivindicación 15
Reivindicación 16	Reivindicación 16
Reivindicación 17	Reivindicación 17
Reivindicación 18	Reivindicación 18
Reivindicación 19	Reivindicación 19

Se considera entonces, que las reivindicaciones presentadas son “suficientemente correspondientes” a las concedidas por la USPTO, ya que las reivindicaciones presentadas ante

la SIC se refieren a la misma materia que aquella consideradas como otorgables por la Oficina de Examen Anterior (OEA).

Cumpliendo así lo dispuesto para que una solicitud sea aceptada en el procedimiento acelerado de exámenes de patente entre la USTPO actuando como Oficina de Examen Anterior (OEA) y la SIC como Oficina de Segunda Presentación, atentamente solicito que se continúe con el trámite correspondiente a esta solicitud de patente de invención.

Señora Directora,

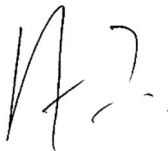
ANDRÉS RINCÓN USCÁTEGUI

CC 79.780.910 de Bogotá

TP 114.908

	Espacio reservado para el adhesivo de radicación
---	--

DIRECCIÓN DE NUEVAS CREACIONES
Procedimiento acelerado de exámenes de patente (PPH)

1	NÚMERO DE SOLICITUD ANTE LA SIC: NC2021/0008305		
2	GLOBAL - PPH ☒ PAÍS ESTADOS UNIDOS DE AMÉRICA	3	PCT – PPH ☐ PAÍS
4	PROSUR ☐ PAÍS	5	Alianza del Pacífico (AdP) ☐ PAÍS
6	OFICINA DE PRIMERA PRESENTACIÓN (OPP) ☐	7	OFICINA DE EXAMEN ANTERIOR (OEA) ☐
8	NÚMERO DE SOLICITUD O PUBLICACIÓN DE LA SOLICITUD (OPP) ☐ NÚMERO DE SOLICITUD EN OFICINA DE EXAMEN ANTERIOR (OEA): ☒ NÚMERO DE SOLICITUD PCT: ☐		1. US16/744,809
9	☐ REPRESENTANTE LEGAL ☒ APODERADO		
APELLIDOS RINCÓN USCÁTEGUI		NOMBRES JOSÉ ANDRÉS	IDENTIFICACIÓN C.C. 79.780.910 T.P. 114.908
DIRECCIÓN Carrera 4 # 72A - 35		No. TELÉFONO 3473611	
CIUDAD Bogotá, D.C.		CORREO ELECTRÓNICO cavelier@cavelier.com	
PAÍS COLOMBIA		No. RADICACIÓN O PROTOCOLO DE PODER GENERAL	
10	CONDICIONES PARA ACCEDER A ESTE PROCESO:		
10.1. DATOS DE PRIORIDAD ☒ SI ☐ NO			
(33) PAÍS DE ORIGEN 1. ESTADOS UNIDOS DE AMÉRICA		CÓDIGO PAÍS US	(31) NÚMERO 62/799,415 (32) FECHA (AAAA/MM/DD) 2019/01/31
10.2. DATOS SOLICITUD INTERNACIONAL PCT ☒ SI ☐ NO			
Solicitud Internacional No. PCT/US2020/013852		Fecha	2020/01/16
Publicación Internacional No. WO/2020/159715		Fecha	2020/08/06
*El solicitante presenta una copia de la(s) reivindicación(es) patentable(s) u otorgable(s) de la solicitud de la Oficina de Primera Presentación que profirió el examen de patentabilidad, junto con una traducción al castellano. ☒ SI ☐ NO *El solicitante presenta los resultados de búsqueda de la Oficina de Examen Anterior, junto con una traducción al castellano ☐ SI ☐ NO			
REQUISITOS PARA EL RECONOCIMIENTO DE LOS RESULTADOS DE EXÁMENES DE PATENTABILIDAD EFECTUADOS A SOLICITUDES EXTRANJERAS Para que la Superintendencia de Industria y Comercio pueda reconocer los resultados de exámenes de patentabilidad producidos por otras Oficinas de Propiedad Industrial se debe cumplir con las siguientes condiciones: (a) Al momento de solicitar el examen de patentabilidad, si el solicitante pide que se reconozcan exámenes de patentabilidad de otras oficinas extranjeras, deberá aportar junto con el pago de la tasa correspondiente, los siguientes anexos: (i) Copia de las resoluciones, fallos o decisiones que han sido relevantes para la determinación de la patentabilidad de la(s) solicitud(es) en la Oficina que haya proferido el examen de patentabilidad que contienen reivindicaciones patentables u otorgables que son la base de la petición, y si es del caso, su traducción al castellano. ☒ SI ☐ NO (ii) Copia de todas las reivindicaciones determinadas como patentables u otorgables en la Oficina que profirió el examen de patentabilidad y, si es del caso, su traducción al castellano. ☒ SI ☐ NO (iii) Copia de los antecedentes, información o documentos citados por el examinador de la Oficina de Primera Presentación del examen de patentabilidad, en las resoluciones, fallos o decisiones correspondientes, incluyendo la literatura no patente. Los documentos de patente deberán presentarse siempre y cuando no estén disponibles para la Superintendencia de Industria y Comercio mediante el simple acceso a bases de datos gratuitas. ☐ SI ☒ NO (iv) Una tabla de correspondencias de las reivindicaciones que han sido determinadas como patentables u otorgables en la solicitud de la Oficina que haya proferido el examen de patentabilidad. ☒ SI ☐ NO			
11	FIRMA DEL SOLICITANTE, DEL APODERADO O DEL REPRESENTANTE LEGAL Junto a cada firma, indicar el nombre del firmante y su calidad (si tal calidad no es obvia al leer el petitorio)		
 ANDRÉS RINCÓN USCÁTEGUI C.C. No. 79.780.910 de Bogotá T.P.A. No. 114.908 del C.S.J.			

10 (iv)	TABLA DE CORRESPONDENCIA DE REIVINDICACIONES		
Reivindicaciones en la solicitud en Colombia		Reivindicaciones otorgables por la Oficina de Examen Anterior (USPTO)	Explicación sobre la suficiente correspondencia ó Comentarios que explican la correspondencia
1-19		1-19	Las reivindicaciones 1 a 19 del capítulo reivindicatorio de la solicitud de patente NC2021/0008305 actualmente presentado corresponden a las reivindicaciones 1 a 19 consideradas como otorgables por la USPTO como Oficina de Examen Anterior.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE

24275 7590 02/24/2021
S & C Electric Company
Anthony G. Sitko
6601 N. Ridge Blvd.
Chicago, IL 60626-3904

EXAMINER	
BOLTON, WILLIAM A	
ART UNIT	PAPER NUMBER

2833

DATE MAILED: 02/24/2021

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/744,809	01/16/2020	Tsvetan Rusev	SC-5599	5477

TITLE OF INVENTION: MANUAL CLOSE ASSIST CONTROL MECHANISM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	05/24/2021

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

24275 7590 02/24/2021
S & C Electric Company
Anthony G. Sitko
6601 N. Ridge Blvd.
Chicago, IL 60626-3904

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/744,809	01/16/2020	Tsvetan Rusev	SC-5599	5477

TITLE OF INVENTION: MANUAL CLOSE ASSIST CONTROL MECHANISM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	05/24/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
BOLTON, WILLIAM A	2833	218-118000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.

☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-09 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,

1 _____

(2) The name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

2 _____

3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government4a. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☐ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

5. Change in Entity Status (from status indicated above)

☐ Applicant certifying micro entity status. See 37 CFR 1.29☐ Applicant asserting small entity status. See 37 CFR 1.27☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.

NOTE: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/744,809	01/16/2020	Tsvetan Rusev	SC-5599	5477
24275	7590	02/24/2021	EXAMINER	
S & C Electric Company Anthony G. Sitko 6601 N. Ridge Blvd. Chicago, IL 60626-3904			BOLTON, WILLIAM A	
			ART UNIT	PAPER NUMBER
			2833	

DATE MAILED: 02/24/2021

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Privacy Act Statement

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Notice of Allowability	Application No. 16/744,809	Applicant(s) Rusev et al.	
	Examiner WILLIAM A BOLTON	Art Unit 2833	AIA (FITF) Status Yes

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendments and remarks filed 6 January, 2021.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on ____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on ____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-19. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

a) ☐ All b) ☐ Some *c) ☐ None of the:

1. ☐ Certified copies of the priority documents have been received.

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 (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)	5. ☐ Examiner's Amendment/Comment
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date ____.	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material ____.	7. ☐ Other ____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. ____.	

/WILLIAM A BOLTON/ Primary Examiner, Art Unit 2833	
---	--

DETAILED ACTION

Notice of Pre-AIA or AIA Status

The present application, filed on or after March 16, 2013, is being examined under the first inventor to file provisions of the AIA.

Response to Amendment

The Amendment filed January 6th 2021 has been entered. Claims 1-19 are pending. The drawing objections have been withdrawn.

Allowable Subject Matter

Claims 1-19 are allowed.

Applicant's arguments filed January 6th, 2021 were fully considered and are persuasive.

The following is an examiner's statement of reasons for allowance:

Regarding claims 1, 8 and 13, the prior art fails to teach or show, alone or in combination, the claimed method and system for closing an actuator in a magnetically actuated switch assembly, including a manual actuation device coupled to the actuator; energizing a winding in the actuator to assist moving the armature to the closed latch position when the armature gets to a predetermined distance from the closed latch position.

The prior art, either alone or in combination, can be reasonably construed as adequately teaching the above limitations in combination with the remaining claim elements. Specifically, none of the prior art adequately teaches or suggests the specific arrangement/functional relationship of the manual actuator and magnetic actuator.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to WILLIAM A BOLTON whose telephone number is (571)270-5887. The examiner can normally be reached on Mon-Fri: 7:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Renee S Luebke can be reached on (571)-272-2009. 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 <https://ppair-my.uspto.gov/pair/PrivatePair>. 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.

/WILLIAM A BOLTON/
Primary Examiner, Art Unit 2833

Respuesta a la enmienda

Se ha introducido la Enmienda presentada el 6 de enero de 2021. Las reivindicaciones 1 a 19 están pendientes. Se han retirado las objeciones al dibujo.

Materia otorgable

Se aceptan las reivindicaciones 1 a 19.

Los argumentos del solicitante presentados el 6 de enero de 2021 se consideraron en su totalidad y son persuasivos.

La siguiente es una declaración del examinador de los motivos para la concesión:

Con respecto a las reivindicaciones 1, 8 y 13, la técnica anterior no enseña o muestra, sola o en combinación, el método y sistema reivindicados para cerrar un actuador en un conjunto de interruptor accionado magnéticamente, que incluye un dispositivo de activación manual acoplado al actuador; energizar un devanado en el actuador para ayudar a mover el inducido a la posición retenida cerrada, cuando el inducido llega a una distancia predeterminada de la posición retenida cerrada.

La técnica anterior, ya sea sola o en combinación, puede interpretarse razonablemente como que enseña de manera adecuadamente las limitaciones anteriores en combinación con los elementos restantes de la reivindicación. Específicamente, ninguno de la técnica anterior enseña o sugiere adecuadamente la disposición específica / relación funcional del actuador manual y actuador magnético.

Cualquier comentario que el solicitante considere necesario debe someterse antes del pago de la tarifa de emisión y, para evitar retrasos en el procesamiento, preferiblemente debe acompañar la tarifa de emisión: Tales presentaciones deben estar claramente etiquetadas como "Comentarios sobre la declaración de motivos para la concesión".

Amendments to the Claims

1. (Original) A method for closing an actuator in a magnetically actuated switch assembly, the switch assembly including a manual actuation device coupled to the actuator, the method comprising:

commencing a closing operation of the actuator using the manual actuation device to move an armature in the actuator towards a closed latch position; and

energizing a winding in the actuator to assist moving the armature to the closed latch position when the armature gets to a predetermined distance from the closed latch position.

2. (Original) The method according to claim 1 wherein the predetermined distance is a maximum bounce distance of the armature off of a latch surface at the closed latch position.

3. (Original) The method according to claim 1 wherein energizing the winding includes energizing the winding with less power than what is necessary to electrically close the actuator.

4. (Original) The method according to claim 1 further comprising detecting that the actuator is being manually closed so as to determine when to energize the winding.

5. (Original) The method according to claim 4 wherein the switch assembly includes a vacuum interrupter, and wherein detecting that the actuator is being manually closed includes determining when current begins to flow through the vacuum interrupter.

6. (Original) The method according to claim 5 wherein the armature is coupled to a switch contact in the vacuum interrupter.

7. (Original) The method according to claim 1 wherein the switch assembly is a single-phase self-powered magnetically actuated fault recloser for use in medium voltage power distribution network.

8. (Original) A method for closing an actuator in a magnetically actuated switch assembly, the actuator including an armature and a winding, switch assembly including a manual actuation device coupled to one end of the armature and a movable terminal in a vacuum interrupter coupled to an opposite end of the armature, the method comprising:

commencing a closing operation of the actuator using the manual actuation device to move the armature towards a closed latch position;

detecting that the actuator is being manually closed; and

energizing the winding to assist moving the armature to the closed latch position when the armature gets to a predetermined distance from the closed latch position.

9. (Original) The method according to claim 8 wherein the predetermined distance is a maximum bounce distance of the armature off of a latch surface at the closed latch position.

10. (Original) The method according to claim 8 wherein energizing the winding includes energizing the winding with less power than what is necessary to electrically close the actuator.

11. (Original) The method according to claim 8 wherein detecting that the actuator is being manually closed includes determining when current begins to flow through the vacuum interrupter.

12. (Original) The method according to claim 8 wherein the switch assembly is a single-phase self-powered magnetically actuated fault recloser for use in medium voltage power distribution network.

13. (Original) A system for closing an actuator in a magnetically actuated switch assembly, the switch assembly including a manual actuation device coupled to the actuator, the system comprising:

a manual actuator being coupled to an armature of the magnetically actuated switch assembly and operable in a closing operation to move the armature in the actuator towards a closed latch position; and

a current source coupled to a winding in the actuator that when energized provides current to the winding creating a magnetic force to assist moving the armature to the closed latch position when the armature gets to a predetermined distance from the closed latch position.

14. (Original) The system according to claim 13 wherein the predetermined distance is a maximum bounce distance of the armature off of a latch surface at the closed latch position.

15. (Original) The system according to claim 13 wherein the current source energizes the winding with less power than what is necessary to electrically close the actuator.

16. (Original) The system according to claim 13 further comprising sensor operably associated with the actuator to detect that the actuator is being manually closed and to provide a signal to current source to energize the winding.

17. (Original) The system according to claim 16 wherein the switch assembly includes a vacuum interrupter, and wherein the sensor determines when current begins to flow through the vacuum interrupter.

18. (Original) The system according to claim 17 wherein the armature is coupled to a switch contact in the vacuum interrupter.

19. (Original) The system according to claim 13 wherein the switch assembly is a single-phase self-powered magnetically actuated fault recloser for use in medium voltage power distribution network.

REIVINDICACIONES

1. Un método para cerrar un actuador en un conjunto de interruptor accionado magnéticamente, el conjunto de interruptor incluye un dispositivo de actuación manual acoplado
5 al actuador, el método está caracterizado porque comprende:

comenzar la operación de cierre del actuador usando el dispositivo de activación manual para mover el inducido en el actuador hacia una posición retenida cerrada y

energizar el devanado en el actuador para ayudar a mover
10 el inducido a la posición retenida cerrada, cuando el inducido llega a una distancia predeterminada de la posición retenida cerrada.

2. El método de acuerdo con la reivindicación 1, caracterizado porque la distancia predeterminada es una
15 distancia máxima de rebote del inducido de una superficie de retención en la posición retenida cerrada.

3. El método de acuerdo con la reivindicación 1, caracterizado porque energizar el devanado incluye energizar el devanado con menos energía de la necesaria para cerrar
20 eléctricamente el actuador.

4. El método de acuerdo con la reivindicación 1, caracterizado porque comprende además detectar que el actuador se está cerrando manualmente para determinar cuándo energizar el devanado.

25 5. El método de acuerdo con la reivindicación 4,

caracterizado porque el conjunto de interruptor incluye un interruptor de vacío y en donde detectar que el actuador se está cerrando manualmente incluye determinar cuándo comienza a la fluir corriente a través del interruptor de vacío.

5 6. El método de acuerdo con la reivindicación 5, caracterizado porque el inducido es acoplado a un contacto de interruptor en el interruptor de vacío.

7. El método de acuerdo con la reivindicación 1, caracterizado porque el conjunto de interruptor es un
10 reconectador de fallas monofásico autoalimentado accionado magnéticamente para uso en redes de distribución de energía de voltaje medio.

8. Un método para cerrar un actuador en un conjunto de interruptor accionado magnéticamente, el actuador incluye un
15 inducido y un devanado, un conjunto de interruptor que incluye un dispositivo de actuación manual acoplado a un extremo del inducido y una terminal movable en un interruptor de vacío acoplada a un lado extremo opuesto del inducido, el método está caracterizado porque comprende:

20 comenzar la operación de cierre del actuador usando el dispositivo de accionamiento manual para hacer mover el inducido hacia una posición retenida cerrada;

detectar que el actuador está siendo cerrando manualmente
y

25 energizar el devanado para ayudar a mover el inducido a

la posición retenida cerrada, cuando el inducido llega a una distancia predeterminada de la posición retenida cerrada.

9. El método de acuerdo con la reivindicación 8, caracterizado porque la distancia predeterminada es una
5 distancia máxima de rebote del inducido de una superficie de retención en la posición retenida cerrada.

10. El método de acuerdo con la reivindicación 8, caracterizado porque energizar el devanado incluye energizar el devanado con menos energía de la necesaria para cerrar
10 eléctricamente el actuador.

11. El método de acuerdo con la reivindicación 8, caracterizado porque detectar que el actuador se está cerrando manualmente incluye determinar cuándo comienza a fluir la corriente a través del interruptor de vacío.

15 12. El método de acuerdo con la reivindicación 8, caracterizado porque el conjunto de interruptor es un reconectador de fallas monofásico autoalimentado accionado magnéticamente para uso en redes de distribución de energía de voltaje medio.

20 13. Un sistema para cerrar un actuador en un conjunto de interruptor accionado magnéticamente, el conjunto de interruptor incluye un dispositivo de actuación manual acoplado al actuador, el sistema está caracterizado porque comprende:

un actuador manual que acoplado a un inducido del conjunto
25 de interruptor accionado magnéticamente y operable en una

operación de cierre para hacer mover el inducido en el actuador hacia una posición retenida cerrada y

una fuente de corriente acoplada al devanado en el actuador que, cuando es energizada provee corriente al devanado creando una fuerza magnética para ayudar a mover el inducido a la posición retenida cerrada, cuando el inducido llega a una distancia predeterminada de la posición retenida cerrada.

14. El sistema de acuerdo con la reivindicación 13, caracterizado porque la distancia predeterminada es una distancia máxima de rebote del inducido de una superficie de retención en la posición retenida cerrada.

15. El sistema de acuerdo con la reivindicación 13, caracterizado porque la fuente de corriente energiza el devanado con menos energía de la necesaria para cerrar eléctricamente el actuador.

16. El sistema de acuerdo con la reivindicación 13, caracterizado porque comprende además un sensor asociado operativamente con el actuador para detectar que el actuador está siendo cerrando manualmente y para proveer una señal a la fuente de corriente para energizar el devanado.

17. El sistema de acuerdo con la reivindicación 16, caracterizado porque el conjunto de interruptor incluye un interruptor de vacío y en donde el sensor determina cuándo comienza a fluir la corriente a través del interruptor de vacío.

18. El sistema de acuerdo con la reivindicación 17, caracterizado porque el inducido es acoplado a un contacto de interruptor en el interruptor de vacío.

19. El sistema de acuerdo con la reivindicación 13,
5 caracterizado porque el conjunto de interruptor es un reconectador de fallas monofásico autoalimentado accionado magnéticamente para uso en redes de distribución de energía de voltaje medio.