

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	16450422
Filing Date	2019-06-24
First Named Inventor	NOOK
Art Unit	2859
Examiner Name	DIAO
Attorney Docket Number	054985-000055-US-05

EXAMINER SIGNATURE

Examiner Signature	/M BAYE DIAO/	Date Considered	06/23/2022
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

Document Description: Issue Fee Payment (PTO-85B)

Issue Fee Transmittal Form

Application Number	Filing Date	First Named Inventor	Atty. Docket No.	Confirmation No.
16450422	24-Jun-2019	Jonathan Lewis Nook	054985-000055-US-05	1008

TITLE OF INVENTION :

PORTABLE VEHICLE BATTERY JUMP START APPARATUS WITH SAFETY PROTECTION AND JUMPER CABLE DEVICE THEREOF

Entity Status	Application Type	Art Unit	Class - Subclass	EXAMINER
Small	Utility under 35 USC 111(a)	2859	105000	
Issue Fee Due	Publication Due	Total Fee(s) Due	Date Due	Prev. Paid Fee
\$600	\$0	\$600	30-Sep-2022	\$0

1.Change of Correspondence Address and/or Indication Of Fee Address (37 CFR 1.33 & 1.363)

Current Correspondence Address:	Current Indicated Fee Address :
20230 Vorys, Sater, Seymour and Pease LLP 1909 K St., NW 9th Floor Washington DC 20006-1152 UNITED STATES 2024678848 patlaw@vorys.com	
☐ Change of correspondence address requested, system generated AIA/122-EFS form attached	☐ Fee Address indication requested, system generated SB/47-EFS form attached

2.Entity Status

Change in Entity Status

- ☐ Applicant certifying micro entity status; system generated Micro Entity certification form attached. See 37 CFR 1.29.
Note: Absent a valid certification of micro entity status, issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment.
If this box is checked, you will be prompted to choose a micro entity status on the gross income basis (37 CFR 1.29(a)) or the institution of higher education basis (37 CFR 1.29(d)), and make the applicable certification online.
- ☒ Applicant asserting small entity status. See 37 CFR 1.27.
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.
- ☐ Applicant changing to regular undiscounted fee status.
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Document Description: Issue Fee Payment (PTO-85B)

3.The Following Fee(s) Are Submitted:

☒ Issue Fee

☐ I authorize USPTO to apply my previously paid issue fee to the current fees due

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4.Firm and/or Attorney Names To Be Printed

NOTE: If no name is listed, no name will be printed
For printing on the patent front page, list to be displayed as entered

1. VORYS, SATER, SEYMOUR & PEASE LLP
2. WILLIAM KLIMA
3.

5.Assignee Name(s) and Residence Data To Be Printed

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

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THE NOCO COMPANY	Glenwillow	OHIO	UNITED STATES	corporation

6.Signature

I certify, in accordance with 37 CFR 1.4(d)(4) that I am an attorney or agent registered to practice before the Patent and Trademark Office who has filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via EFS-WEB on the date indicated below.

Signature	/William L. Klima/	Date	07-01-2022
Name	William Leonard Klima	Registration Number	32422

Electronic Patent Application Fee Transmittal				
Application Number:		16450422		
Filing Date:		24-Jun-2019		
Title of Invention:		PORTABLE VEHICLE BATTERY JUMP START APPARATUS WITH SAFETY PROTECTION AND JUMPER CABLE DEVICE THEREOF		
First Named Inventor/Applicant Name:		Jonathan Lewis Nook		
Filer:		William Leonard Klima/Lisa Elliott		
Attorney Docket Number:		054985-000055-US-05		
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY APPL ISSUE FEE	2501	1	600	600
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				600

Electronic Acknowledgement Receipt

EFS ID:	46106581
Application Number:	16450422
International Application Number:	
Confirmation Number:	1008
Title of Invention:	PORTABLE VEHICLE BATTERY JUMP START APPARATUS WITH SAFETY PROTECTION AND JUMPER CABLE DEVICE THEREOF
First Named Inventor/Applicant Name:	Jonathan Lewis Nook
Customer Number:	20230
Filer:	William Leonard Klima/Lisa Elliott
Filer Authorized By:	William Leonard Klima
Attorney Docket Number:	054985-000055-US-05
Receipt Date:	01-JUL-2022
Filing Date:	24-JUN-2019
Time Stamp:	20:17:00
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$600
RAM confirmation Number	E202271K16574363
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

EXHIBIT 1002

File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Amendment after Notice of Allowance (Rule 312)	2022_07_01_312-Amendment.pdf	172934	no	21
			93fc402e8ec7a8f941 b88f772422856407259e89		
Warnings:					
Information:					
2	Issue Fee Payment (PTO-85B)	Web85b.pdf	62620	no	2
			5e1a5fe1a342138923dc0cd661188070aad30832		
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	40282	no	2
			618e7dffab240984cd208962b70ae218188a4cec		
Warnings:					
Information:					
Total Files Size (in bytes):			275836		
This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503. <u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application. <u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course. <u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

NOOK et al.

Appl. No.: 16/450,422

Filing Date: June 24, 2019

Exam: DIAO

Art Unit: 2859

Conf.: 1008

Title: **PORTABLE VEHICLE BATTERY JUMP START APPARATUS WITH
SAFETY PROTECTION AND JUMPER CABLE DEVICE THEREOF**

AMENDMENT AND RESPONSE UNDER 37 C.F.R. § 1.312

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22315

Dear Commissioner:

This paper is being submitted along with the Issue Fee Payment in response to
the Notice of Allowance dated June 30, 2022.

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously presented) A jump starting apparatus configured for boosting or charging a depleted or discharged battery having a positive polarity battery terminal and a negative polarity battery terminal, the jump starting apparatus comprising:

a power supply;

a positive polarity battery terminal connector configured for connecting the jump starting apparatus to the positive polarity battery terminal of the depleted or discharged battery;

a negative polarity battery terminal connector configured for connecting the jump starting apparatus to the negative polarity battery terminal of the depleted or discharged battery;

a power switch or circuit configured to turn on power from the power supply to the positive and negative polarity battery terminal connectors;

a control system or circuit connected to and controlling the power switch, the control system or circuit configured to detect whether the positive and negative polarity battery terminal connectors have a correct polarity connection with the positive and negative polarity battery terminals of the depleted or discharged battery prior to turning on the power switch or circuit;

a USB input circuit connected to the power supply, the USB input circuit comprising a DC/DC converter, the USB input circuit configured for converting power from a USB

power source to increase power voltage to the power supply; and

a USB input connector connected to the USB input circuit, the USB input connector configured for connecting to the USB power source and providing power input from the USB power source through the USB input connector and the USB input circuit to the power supply.

2. (Previously presented) The apparatus of claim 1, wherein the power supply comprises a lithium ion battery.

3. (Previously presented) The apparatus of claim 2, wherein the lithium ion battery comprises a battery pack of multiple lithium ion batteries.

4. (Previously presented) The apparatus of claim 1, wherein the power switch comprises one or more FETs.

5. (Previously presented) The apparatus of claim 1, wherein the control system or circuit is configured to detect a presence of the depleted or discharged battery connected between the positive and negative polarity battery terminal connectors and to detect the correct polarity connection of the positive and negative polarity battery terminal connectors of the jump starting device with the positive and negative battery terminals of the depleted or discharged battery.

6. (Previously presented) The apparatus of claim 1, further comprising a plurality of power diodes coupled between the positive and negative battery terminal connectors and the power supply to prevent back-charging of the power supply from an electrical system connected to the positive and negative battery terminal connectors.

7. (Previously presented) The apparatus of claim 1, further comprising a temperature sensor configured to detect temperature of the power supply and to provide a temperature signal to a microcontroller.

8. (Previously presented) The apparatus of claim 1, further comprising a voltage measurement circuit configured to measure output voltage of the power supply and to provide a voltage measurement signal to a microcontroller.

9. (Previously presented) The apparatus of claim 1, further comprising a voltage regulator configured to convert output voltage of the power supply to a voltage level appropriate to provide operating power to internal components of the jump starting apparatus.

10. (Previously presented) The apparatus of claim 1, further comprising a USB output port configured to provide charging power from the power supply to a USB-chargeable device.

11. (Cancelled)

12. (Original) The apparatus of claim 1, further comprising a flashlight circuit configured to provide a source of light to a user.

13. (Previously presented) The apparatus of claim 12, wherein the source of light is at least one LED.

14. (Previously presented) The apparatus of claim 13, wherein the control system or circuit is configured to control the at least one LED to provide a visual alarm indicating an emergency situation.

15. (Previously presented) The apparatus of claim 1, further comprising a plurality of visual indicators configured to display remaining capacity status of the power supply.

16. (Previously presented) The apparatus of claim 15, wherein the plurality of visual indicators comprises a plurality of LEDs providing output light of different colors.

17. (Previously presented) The apparatus of claim 1, further comprising a visual indicator configured to warn a user when the depleted or discharged battery is connected to the jump starting apparatus with reverse polarity.

18. (Previously presented) The apparatus of claim 1, further comprising separate visual indicators configured to display a power on status of the jump starting apparatus, and a jump start boost power status of power supplied to an output device.

19. (Previously presented) The apparatus of claim 1, further comprising a manual override switch configured to activate a manual override mode to enable a user to connect jump start power to the depleted or discharged vehicle battery when a vehicle battery isolation sensor is unable to detect presence of the vehicle battery.

20. (Previously presented) The apparatus of claim 19, wherein the control system or circuit is configured to detect actuation of the manual override switch for at least a predetermined period of time before activation of the manual override mode.

21. (Previously presented) The apparatus of claim 1, further comprising a jumper cable device, the jumper cable device comprising a plug configured to plug into an output port of the jump starting apparatus, a pair of battery cables integrated with the plug at one end of the pair of cables, and the positive and negative battery terminal connectors connected to an opposite end of the pair of battery cables.

22. (Previously presented) The apparatus of claim 21, wherein the jumper cable device further comprises a pair of ring terminals configured to respectively connect the pair of cables at the opposite end to the respective positive and negative battery terminals of the depleted or discharged battery, or connect to respective positive and negative battery clamps.

23. (Previously presented) The apparatus of claim 21, wherein the output port and the plug are dimensioned so that the plug will fit into the output port only in one specific orientation.

24.-28. (Cancelled)

29. (Previously presented) A jump starting apparatus for boosting or charging a depleted or discharged battery having a positive polarity battery terminal and a negative polarity battery terminal, the jump starting apparatus comprising:

- a power supply;

- a positive polarity battery terminal connector configured for connecting the jump starting apparatus to the positive polarity terminal of the depleted or discharged battery;

- a negative polarity battery terminal connector configured for connecting the jump starting apparatus to the negative polarity terminal of the depleted or discharged battery;

- a battery presence sensor or circuit connected in circuit with the positive polarity battery terminal connector and the negative polarity battery terminal connector;

a reverse polarity sensor or circuit connected in circuit with the positive polarity battery terminal connector and the negative polarity terminal connector;

a power switch or circuit connected or connectable in circuit with the power supply and the positive and negative polarity battery terminal connectors;

a microcontroller configured to receive input signals provided by the battery presence sensor or circuit and the reverse polarity sensor or circuit, the microcontroller configured to provide an output signal to control the power switch,

a USB input circuit connected to the power supply, the USB input circuit configured for converting power from a USB power source to increase power voltage to the power supply; and

a USB input connector connected to the USB input circuit, the USB input connector configured for connecting to the USB power source and providing power input from the USB power source through the USB input connector and the USB input circuit to the power supply.

30. (Currently amended) A jump starting device for boosting or charging a depleted or discharged battery having a positive polarity battery terminal and a negative polarity battery terminal, the jump starter device comprising:

a power supply;

a positive battery terminal connector for connecting the jump starter device to the positive battery terminal of the depleted or discharged battery;

a negative battery terminal connector for connecting the jump starter device to the negative battery terminal of the depleted or discharged battery;

a power switch or circuit connected in circuit with the power supply and the positive and negative battery terminal connectors, the power switch configured to turn power on [[or off]] from the power supply to the depleted or discharged battery when the positive and negative battery terminal connectors are properly connected to the positive and negative battery connectors;

a power switch control system or circuit connected to and controlling the power switch, the power switch control system or circuit configured to detect presence of the depleted or discharged battery when connected between the positive and negative battery terminal connectors and to detect polarity of the depleted or discharged battery when connected between the positive and negative battery terminal connectors;

a USB input circuit connected to the power supply, the USB input circuit configured for converting power from a USB power source to increase power voltage to the power supply; and

a USB input connector configured for connecting to the USB power source and providing power input from the USB power source through the USB input connector and the USB input circuit to the power supply.

31. (Currently amended) The device according to claim 30, wherein the power switch control system or circuit does not switch on the power supply to connect the power supply to the depleted or discharged battery when the power switch control system or circuit detects either that (i) the depleted or discharged battery is absent or not connected between the positive and negative battery connectors, and (ii) the depleted or discharged battery is not connected with a ~~proper~~ correct polarity connection.

between the positive and negative battery terminal connectors.

32. (Previously presented) The device according to claim 30, wherein the power switch control system or circuit is configured to detect presence of the depleted or discharged battery when connected between the positive and negative battery connectors and to detect polarity of the depleted or discharged battery when connected between the positive and negative battery connectors prior to turning power on from the power supply to the depleted or discharged battery.

33. (Previously presented) The device according to claim 30, wherein the power switch control system or circuit comprises a microcontroller configured for providing an output controlling the power switch.

34. (Previously presented) The device according to claim 33, wherein the microcontroller receives input from one or more sensors configured to detect presence of the depleted or discharged battery when connected between the positive and negative battery connectors and to detect polarity of the depleted or discharged battery when connected between the positive and negative battery connectors.

35. (Previously presented) The device according to claim 34, wherein the one or more sensors includes one sensor configured to detect presence of the depleted or discharged battery when connected between the positive and negative battery terminal connectors, and another sensor configured to detect polarity of the depleted or discharged battery when connected between the positive and negative battery terminal connectors.

36. (Previously presented) The device according to claim 35, wherein the one or more sensors comprises one or more sensing circuits.

37. (Previously presented) The device according to claim 33, wherein the microcontroller is configured to turn on the power switch to provide power from the power supply to the depleted or discharged battery only when the depleted or discharged battery is determined by the microcontroller to be present and properly or improperly connected to the jump starting apparatus.

38. (Currently amended) A jump starting device for boosting or charging a depleted or discharged battery having a positive polarity battery terminal and a negative polarity battery terminal, the jump starter device comprising:

a power supply;

a positive battery terminal connector for connecting the jump starter device to the positive battery terminal of the depleted or discharged battery;

a negative battery terminal connector for connecting the jump starter device to

the negative battery terminal of the depleted or discharged battery;

a power switch or circuit connected in circuit with the power supply and the positive and negative battery terminal connectors, the power switch configured to turn power on [[or off]] from the power supply to the depleted or discharged battery when connected to the positive and negative battery terminal connectors;

a power switch control system or circuit connected to and controlling the power switch, the power switch control system or circuit configured to detect presence of the depleted or discharged battery when connected between the positive and negative battery terminal connectors and to detect ~~proper or improper~~ correct or incorrect polarity of the depleted or discharged battery when connected between the positive and negative battery terminal connectors;

a USB input circuit connected to the power supply, the USB input circuit configured for converting power from a USB power source to increase power voltage to the power supply; and

a USB input connector connected to the USB input circuit, the USB input connector configured for connecting to the USB power source and providing power input from the USB power source through the USB input connector and the USB input circuit to the power supply.

39. (Previously presented) The apparatus according to claim 38, wherein the USB input circuit comprises a DC-DC converter.

40. (Previously presented) The apparatus according to claim 39, wherein the DC-DC converter is configured for up-converting the input voltage received by the USB input connector.

41. (Previously presented) The apparatus according to claim 40, wherein the input voltage is about 5V that is up-converted to at least 11.1 VDC for powering the power supply.

42. (Previously presented) The apparatus according to claim 39, wherein the USB input charge circuit is configured to turn on and off the DC-DC converter by an output of the control system or circuit comprising a microcontroller.

43. (Previously presented) The apparatus according to claim 1, further comprising a USB output circuit connecting the power supply to a USB output connector for charging portable electronic devices from the power supply.

44. (Previously presented) The apparatus according to claim 43, wherein the USB output circuit is connected to a microcontroller, the USB output circuit is configured to allow the USB output circuit to be turned on and off by software control to prevent the power supply from getting too low in capacity.

45. (Previously presented) The apparatus according to claim 43, wherein the USB output circuit includes a voltage divider to enable charging of certain electronic devices.

46. (Previously presented) The apparatus according to claim 1, including an operation indicator LED to provide visual indication of the power supply capacity status.

47. (Previously presented) The apparatus according to claim 1, including an operation indicator LED to provide visual indication of the switch activation status indicating power is being provided to the depleted or discharged battery.

48. (Currently amended) The apparatus according to claim 1, wherein the ~~proper or improper~~ correct polarity connection with the positive and negative polarity battery terminal connectors of the depleted or discharged battery prior to turning on the power switch or circuit ~~is a proper or improper~~ can, alternatively, be an incorrect polarity connection.

49. (Previously presented) The apparatus according to claim 1, wherein the control system or circuit comprises one or more sensors connected to a microprocessor for determining whether the depleted or discharged battery is present and connected between the positive and negative polarity battery terminal connectors.

50. (Previously presented) The apparatus according to claim 1, wherein the control system or circuit comprises one or more sensors connected to a microprocessor for determining whether the depleted or discharged battery is properly or improperly connected to the positive and negative polarity battery terminal connectors.

51. (Currently amended) The apparatus according to claim 1, wherein the control system or circuit comprises one or more sensors connected to a microprocessor for determining whether the depleted or discharged battery is present and connected between the positive and negative polarity battery terminal connectors and determining whether the depleted or discharged battery ~~is properly or improperly connection to~~ has a correct or incorrect polarity connection with the positive and negative polarity battery terminal connectors.

52. (Previously presented) The apparatus according to claim 1, wherein the DC-DC converter can be turned on and off by a microprocessor.

53. (Currently amended) A jump starting apparatus configured for boosting or charging a depleted or discharged battery having a positive polarity battery terminal and a negative polarity battery terminal, the jump starting apparatus comprising:

a power supply;

a positive polarity battery terminal connector configured for connecting the jump starting apparatus to the positive polarity battery terminal of the depleted or discharged battery;

a negative polarity battery terminal connector configured for connecting the jump starting apparatus to the negative polarity battery terminal of the depleted or discharged battery;

a power switch or circuit configured to turn on power from the power supply to the positive and negative polarity battery terminal connectors;

a control system or circuit connected to and controlling the power switch, the control system or circuit comprising a microcontroller, the control system or circuit configured to detect whether the positive and negative polarity battery terminal connectors have a ~~proper or improper~~ correct or incorrect polarity connection with the positive and negative polarity battery terminals of the depleted or discharged battery prior to turning on the power switch;

a USB input connector configured for removably connecting to a USB power source and providing power input from the USB power source to the USB input connector; and

a USB input circuit connecting the USB input connector to the power supply, the USB input circuit comprising a DC/DC converter, the USB input circuit configured for converting power from the USB power source to ~~[[to]]~~ increase power voltage to the power supply,

wherein the DC-DC converter can be turned on and off by an output from the microcontroller.

54. (Currently amended) The apparatus according to claim 53, wherein the DC-DC converter can be turned on and off via the ~~[[the]]~~ control system or circuit by the output from the microcontroller.

55. (Previously presented) The apparatus according to claim 1, wherein the jump starting apparatus is configured to prevent an incorrect polarity connection of the positive and negative battery terminal connectors of the jump starting apparatus with the positive and negative polarity battery terminals of the depleted or discharged battery.

56. (Previously presented) The apparatus according to claim 1, wherein the jump starting apparatus is configured to prevent an incorrect polarity connection of the positive and negative battery terminal connectors of the jump starting apparatus with the positive and negative polarity battery terminals of the depleted or discharged battery prior to turning on the power switch or circuit.

57. (Previously presented) The apparatus according to claim 1, wherein the jump starting apparatus is configured to prevent an incorrect polarity connection of the positive and negative battery terminal connectors of the jump starting apparatus with the positive and negative polarity battery terminals of the depleted or discharged battery when turning on the power switch or circuit.

58. (Previously presented) The apparatus according to claim 1, wherein the jump starting apparatus is configured to prevent an incorrect polarity connection of the positive and negative battery terminal connectors of the jump starting apparatus with the positive and negative polarity battery terminals of the depleted or discharged battery by turning on the power switch only when the depleted or discharged battery is connected with correct polarity to the jump starting apparatus.

59. (Previously presented) The apparatus according to claim 1, wherein the jump starting apparatus is configured to prevent an incorrect polarity connection of the positive and negative battery terminal connectors of the jump starting apparatus with the positive and negative polarity battery terminals of the depleted or discharged battery by the jump starting device supplying power to the depleted or discharged battery only when or while connected with correct polarity to the jump starting apparatus.

60. (Previously presented) A jump starting apparatus configured for boosting or charging a depleted or discharged battery having a positive polarity battery terminal and a negative polarity battery terminal, the jump starting apparatus comprising:

- a power supply;

- a positive polarity battery terminal connector configured for connecting the jump starting apparatus to the positive polarity battery terminal of the depleted or discharged battery;

- a negative polarity battery terminal connector configured for connecting the jump starting apparatus to the negative polarity battery terminal of the depleted or discharged battery;

- a power switch or circuit configured to turn on power from the power supply to the positive and negative polarity battery terminal connectors;

- a control system or circuit connected to and controlling the power switch, the control system or circuit configured to detect whether the positive and negative polarity battery terminal connectors have a correct polarity connection with the positive and negative polarity battery terminals of the depleted or discharged battery and prevent an

incorrect polarity connection with the positive and negative polarity battery terminals of the depleted or discharged battery prior to turning on the power switch or circuit;

a USB input connector; and

a USB input circuit connecting the USB input connector to the power supply, the USB input circuit comprising a DC/DC converter for up-converting the voltage from the USB input connector to the power supply.

Remarks

Claims 1-10, 12-23, and 29-60 are pending prior to entry of the above amendments.

Claims 11 and 24-28 have previously been cancelled without prejudice or disclaimer of the subject matter contained therein.

Claims 31, 38, 48, 51, 53, and 54 are amended above. No new matter has been added.

Applicant, by amending any claims and/or canceling any claims, makes no admission as to the validity of any rejection made by the Examiner against any of these claims. Applicant reserves the right to reassert any of the claims canceled or the original or previous claim scope of any claim amended, during the prosecution of this application, in a continuing application. Further, Applicant acknowledges but does not acquiesce or agree with any Examiner assertion regarding this application and expressly reserves the right to rebut or otherwise address any such assertion.

In view of the following, further and favorable consideration is respectfully requested.

The claims are amended above to more clearly present the claimed subject matter, and to make the claims more consistent with the wording and/or phrases from the original specification.

Claim 53 is amended above to take into account the Examiner's Amendment contained in the Notice of Allowance dated June 30, 2022.

Conclusion

In view of the foregoing, Applicant submits that the application is in condition to be issued. Early notice to that effect is earnestly solicited. The Examiner is invited to contact the undersigned attorney if it is believed that such contact will expedite the prosecution of the application.

In the event this paper is not timely filed, Applicant petitions for an appropriate extension of time. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 22-0585.

Respectfully submitted,

VORYS, SATER, SEYMOUR and PEASE LLP

/William L. Klima/

William L. Klima, Registration No.: 32422
Customer No.: 20230

Date: July 1, 2022

VORYS, SATER, SEYMOUR and PEASE LLP

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/450,422	06/24/2019	Jonathan Lewis Nook	054985-000055-US-05	1008
2023 759 08/03/2022 Vorys, Sater, Seymour and Pease LLP 1909 K St., NW 9th Floor Washington, DC 20006-1152			EXAMINER DIAO, M BAYE	
			ART UNIT 2859	PAPER NUMBER
			NOTIFICATION DATE 08/03/2022	DELIVERY MODE 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):

patlaw@vorys.com
vorys_docketing@cardinal-ip.com

Response to Rule 312 Communication	Application No.		Applicant(s)		
	16/450,422		Nook et al.		
	Examiner		Art Unit	AIA (FITF) Status	
	M'BAYE DIAO		2859	Yes	

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

1. ☒ The amendment filed on 01 July 2022 under 37 CFR 1.312 has been considered, and has been:

a) ☒ entered.

b) ☐ entered as directed to matters of form not affecting the scope of the invention.

c) ☐ disapproved because the amendment was filed after the payment of the issue fee.
Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.

f) ☐ not entered because the supplemental or corrected Application Data sheet (ADS)

☐ was not accompanied by a petition to accept an unintentionally delayed claim under 37 CFR 1.55 or 27 CFR 1.78;
☐ did not identify the information being changed in accordance with 37 CFR 1.76(c)(2);
☐ was not properly signed in accordance with 37 CFR 1.76(e) (or 37 CFR 1.33(b) for applications filed prior to September 16, 2012).

/M BAYE DIAO/ Primary Examiner, Art Unit 2859	07/28/2022
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OK TO ENTER: /M.D/

MAIL STOP ISSUE FEE
Attorney Docket No.: 054985-000055-US-05
Appl. No.: 16/450,422
Page 1 of 21

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

NOOK et al.

Appl. No.: 16/450,422

Filing Date: June 24, 2019

Exam: DIAO

Art Unit: 2859

Conf.: 1008

Title: **PORTABLE VEHICLE BATTERY JUMP START APPARATUS WITH
SAFETY PROTECTION AND JUMPER CABLE DEVICE THEREOF**

AMENDMENT AND RESPONSE UNDER 37 C.F.R. § 1.312

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22315

Dear Commissioner:

This paper is being submitted along with the Issue Fee Payment in response to
the Notice of Allowance dated June 30, 2022.

DETAILED ACTION

Notice of Pre-AIA or AIA Status

1. 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

2. Acknowledgement is made of amendment filed on 10/25/2021 in which claims 1,19,29-31, 35, 37-40,48,50-51 are currently amended, claims 11, 24-28 have been previously canceled while claims 52-54 have been newly added. By this amendment, claims 1-10,12-23,29-54 are now pending in the application.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with William L.

Klima Reg. No. 32,422 on 11/10/2021.

Change(s) applied
to document,

/S.Y.B./

11/29/2021

4. In claim 53, page ~~15~~¹⁶, lines 2-7, **delete**,

“a USB input charge circuit connecting the USB connector to the power supply, the USB input charge circuit comprising a DC/DC converter, the USB input charge circuit configured for converting power from the external USB charger to charge voltage and current for charging the power supply,

wherein the DC-DC converter can be turned on and off by an output of the microcontroller.”, **and insert**, -- a USB input charge circuit connecting the USB connector to the

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number	16450422
	Filing Date	2019-06-24
	First Named Inventor	NOOK
	Art Unit	2859
	Examiner Name	DIAO
	Attorney Docket Number	054985-000055-US-05

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	4740740		1988-04-26	TARANTO et al.	
	2	5831350		1998-11-03	McCONKEY et al.	
	3	6057667		2000-05-02	MILLS	
	4	6144110		2000-11-07	MATSUDA et al.	
	5	6160381		2000-12-12	PETERZELL	
	6	6249106		2001-06-19	TURNER et al.	
	7	6271605		2001-08-07	CARKNER et al.	
	8	6774607		2004-08-10	MOSENER et al.	

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Attorney Docket Number		054985-000055-US-05

9	6856764		2005-02-15	HIGUMA	
10	6919704		2005-07-19	HEALEY	
11	7339347		2008-03-04	ELDER et al.	
12	7508171		2009-03-24	CARRIER et al.	
13	7579811		2009-08-25	SATL et al.	
14	7514900		2009-04-07	SANDER et al.	
15	7675261		2010-03-09	ELDER et al.	
16	7791319		2010-09-07	VESELIC et al.	
17	7847520		2010-12-07	VESELIC et al.	
18	7868582		2011-01-11	SANDER et al.	
19	8030900		2011-10-04	HUSSAIN et al.	

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20	8125181		2012-02-28	GREGG et al.	
21	8686688		2014-04-01	HAN et al.	
22	8786247		2014-07-22	SHINO et al.	
23	8994327		2015-03-31	KUSCH et al.	
24	9007023		2015-04-14	DAO	
25	9263717		2016-02-16	NAKANO et al.	
26	9263907		2016-02-16	RICHARDSON et al.	
27	9287725		2016-03-15	HUFFMAN et al.	
28	9718419		2017-08-01	PROEBSTLE	
29	9871392		2018-01-16	DURANDO et al.	
30	9874611		2018-01-23	WHITING et al.	

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31	10328806	2019-06-25	WANG et al.
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	1	20010003827		2001-11-08	RESCH et al.	
	2	20020007500		2002-06-20	FRIDMAN et al.	
	3	20020007699		2002-06-20	MOUISSIE	
	4	20020121877		2002-09-05	SMITH et al.	
	5	20030096158		2003-05-22	TAKANO et al.	
	6	20050082833		2005-04-21	SODEMANN et al.	
	7	20050162124		2005-07-28	BERTNESS et al.	
	8	20090218988		2009-09-03	RICHARDSON et al.	

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9	20090236859	2009-09-24	MCFADDEN	
10	20090253312	2009-10-08	DETTTER et al.	
11	20100013302	2010-01-21	HOWELL et al.	
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13	20100181959	2010-07-22	GIBBS et al.	
14	20100283623	2010-11-11	BAXTER et al.	
15	20110127947	2011-06-02	HUNTER et al.	
16	20110279089	2011-11-17	YEO	
17	20120013189	2012-01-19	JENKINS	
18	20120068662	2012-03-22	DURANDO et al.	
19	20120139498	2012-06-07	CHANG	

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20	20120169116	2012-07-05	GRAF	
21	20120299533	2012-11-29	HUFFMAN et al.	
22	20130154544	2013-06-20	YOKOYAMA et al.	
23	20150012174	2015-01-08	KIM et al.	

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	1	105457	CA	S	2005-06-21	SYMBOL TECHNOLOGIES INC		
	2	107977	CA	A	1907-10-15	EMPIRE LIGHT LTD; MIESS JACOB HENRY		
	3	118796	CA	S	2008-01-15	XANTREX INT		
	4	137883	CA	S	2011-06-08	CHERVON LTD		
	5	145036	CA	S	2013-02-11	TECHTRONIC OUTDOOR PROD TECH		

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6	2000/024108	WO	A1	2000-04-27	CENTURY MFG. CO.		
7	2005/038952	WO	A2	2005-04-28	BLACK & DECKER INC.	corresponds to EP 1673828	
8	6997198	AU	A	1998-07-30	CLORE AUTOMOTIVE LLC		
9	2015-115979	JP	A	2015-06-22	ASIA BRIGHT IND HONG KONG CO LTD; SFJ CORP	English Abstract attached	×
10	104118374	CN	A	2014-10-29	HUIZHOU HUAYITONG TECHNOLOGY CO LTD	English Abstract attached	☒
11	201947042	CN	U	2011-08-24	SHENZHEN SIBEISHENG ELECTRONIC TECHNOLOGY CO LTD	English Abstract attached	☒
12	203211234	CN	U	2013-09-25	HUIZHOU HUAYITONG TECHNOLOGY CO LTD	English translation attached	☒
13	203504235	CN	U	2014-03-26	LUO WUQIANG	English Abstract attached	☒
14	203522157	CN	U	2014-04-02	SHENZHEN SBASE ELECTRONICS TECHNOLOGY CO LTD	English Abstract attached	☒

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1	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 08/14/19, The NOCO Company, Inc. v. Shenzhen Lianfa Tong Technology Co., Ltd. and Shenzhen Meditek Tong Technology Co., Ltd., 1 page.
2	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 08/14/19, The NOCO Company, Inc. v. Sitect Instruments Company Limited, 1 page.
3	Copy of Decision Granting Institution of Inter Partes Review, Patent Number 9007015, Application 14/325938 on 11/12/20, IPR2020-00944, 70 pages.
4	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Shenzhen Yike Electronics, 1 page.
5	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Guangzhou Unique Electronics Co., Ltd. and Sui Cheng Limited, 1 page.
6	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Zhejiang Quingyou Electronic Commerce Co., Ltd., 1 page.
7	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Shenzhen GOOLOO E-Commerce Co., Ltd., 1 page.
8	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Nice Team Enterprise Limited, 1 page.
9	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Aukey Technology Co., Ltd., 1 page.
10	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 03/16/20, The NOCO Company, Inc. v. Nekteck, Inc., 1 page.
11	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 03/13/20, The NOCO Company, Inc. v. Medcursor, Inc., 1 page.

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12	Australian Patent Opposition #2, Notice of Opposition, Australian Patent Application No. 2019201559, Brown & Watson International Pty Ltd., February 21, 2020, 1 page.
13	The offering for sale and sale by ATD Tools, Inc of a product identified as the ADT 5900 Jump Starter prior to July 2014.
14	Australian Patent Opposition #3, Notice of Opposition, Australian Patent Application No. 2020201223, Brown & Watson International Pty Ltd., August 7, 2020.
15	German Patent Opposition. German Patent Application No. 102014114997
16	D21 advertisement brochure of the opponent transmitted on 12-22-2013.
17	D22 advertisement brochure of the opponent transmitted on 04-23-2014.
18	D23 SGS test report relating to jump start devices of the opponent dated 04-21-2014.
19	D24 TWM417714U1
20	D24a machine translation of D24
21	D25 data sheet of TOPCOMTECHNOLOGY CO., LTD., for the product "Universal Power Bank", dated November 15, 2011.
22	D28 affidavit of the manager of the requesting party, 2013.

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23	German Nullity Action, German Patent Application No. 202014011347.5
24	THE NOCO COMPANY v. RING AUTOMOTIVE LIMITED, HP-2020-000022, Grounds of Invalidity, In the High Court of Justice Business And Property Courts of England and Wales Intellectual Property List (ChD) Patents Court, 2 pages
25	the making available to the public by supply, description and/or use of the HP2200 jump starter described in the manual dated August 2013 at Annex A Before 3 July 2014 including in and after August 2013('HP2200') (cited on page 1 of reference THE NOCO COMPANY v. RING AUTOMOTIVE LIMITED, HP-2020-000022, Grounds of Invalidity).
26	the Carku E-Power 21 device in so far as it is established to have been made available to the public in the Eariler Proceedings ('Carku E-Power 21') (cited on page 2 of reference THE NOCO COMPANY v. RING AUTOMOTIVE LIMITED, HP-2020-000022, Grounds of Invalidity)
27	THE NOCO COMPANY v. SHENZHEN VALUELINK E-COMMERCE CO., LTD, Case No. 1:17-cv-02210, Defendants' Amended Final Invalidity and Unenforceability Contents, 9/23/2019, 5 pages.; The Powerall PBJ512000RD Jump Starter ("Powerall Jump Starter"), offered For sale by Gryphon Mobile Electronics at least as early as 11/5/2013; The Lightning 12V Jump Starter ("Lightning Jump Starter), offered for sale by Pilot, Inc. at least as early as 3/2014; The L3 Model Jump Starter, offered for sale by Shenzhen Tsevie Company as Early as 5/19/2019.
28	THE NOCO COMPANY, INC. v. SHENZHEN CHANGXINYANG TECHNOLOGY CO., LTD., Case No. 1:17-cv-02209, Defendants' Amended Final Invalidity and Unenforceability Contents, US District Court of North. Ohio, East. District. Powerall PBJ512000RD Jump Starter ("Powerall Jump Starter"), sale by Gryphon Mobile Electronics as early 11/5/13; Lightning 12V Jump Starter ("Lightning Jump Starter), sale by Pilot, Inc. as early 3/14; L3 Model Jump Starter, sale by Shenzhen Tsevie Co as early 5/19/19.
29	Notification of Material filed under Section 27, Australian Government IP Australia, November 8, 2016 (3 pages); Declaration of Sheridan Lee (8 pages); Annexure SL-1 (8 pages); Annexure SL-2 (10 pages); Annexure SL-3 (9 pages); Annexure SL-4 (18 pages); Annexure SL-5, JP 3185027 (14 pages); Annexure SL-6 of English Translation of JP 3185027 (17 pages) and US 2004/0130298 (14 pages).
30	This Portable USB Charger Battery Pack Can Also Jump Start Your Car (viewed on Internet on October 27, 2020) <URL: https://www.howto geek.com/179499/this-portable-usb-charger-battery-pack-can-also-jump-start-your-car/ >, published on January 13, 2014.
31	Clore Automotive, LLC, U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF CLORE AUTOMOTIVE, LLC TO THE AMENDED COMPLAINT AND NOTICE OF INVESTIGATION, pages 150-151.
32	Deltran USA, LLC, U.S. International Trade Commission, Investigation No. 337-TA-1256 DELTRAN USA, LLC'S RESPONSE TO THE AMENDED COMPLAINT AND NOTICE OF INVESTIGATION, pages 196-219.
33	Schumaker Electric Corporation and Schumacher Power Technology (Binhai) Co. Ltd., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF SCHUMACHER ELECTRIC CORPORATON AND SCHUMACHER POWER TECHNOLOGY (BINHAI) CO. LTD., TO THE COMPLAINT OF THE NOCO COMPANY UNDER SECTION 337 OF THE TARIFF ACT OF 1930 AND NOTICE OF INVESTIGATION, pages 180-184.

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34	Best Buy Co., Inc., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF BEST BUY CO., INC. TO THE FIRST AMENDED COMPLAINT AND THE NOTICE OF INVESTIGATION, pages 69-71.
35	Guangdong Boltpower Energy Co, Ltd., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF GUANGDONG BOLTPOWER ENERGY CO., LTD. TO THE FIRST AMENDED COMPLAINT AND THE NOTICE OF INVESTIGATION, pages 73-74.
36	Winplus North America, Inc. U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF WINPLUS NORTH AMERICA, INC. TO THE AMENDED COMPLAINT AND THE COMMISSIONER'S NOTICE OF INVESTIGATION, Exhibit B, pages 1-5.
37	Autozone, Inc., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONDENTS AUTOZONE, INC. AND BEST PARTS, INC.'S RESPONSE TO THE AMENDED COMPLAINT AND NOTICE OF INVESTIGATION.
38	Shenzhen Carku Tech. Co., Ltd., 70MAI Co., Ltd., Antigravity Batteries LLC, Gooloo Tech. LLC, Great Neck Saw Manufactures, Inc., Horizon Tool, Inc., MATCO Tools Corp., Nekteck, Inc., Paris Corp., Powermax Battery (U.S.A.), Inc., and Shenzhen Gooloo E-Commerce Co., Ltd. U.S. Intl. Trade Commission, Invest. No. 337-TA-1256, RESPONSE TO THE AMENDED COMPLAINT AND NOTICE OF INVESTIGATION, Exhibit B, pages 1-3.
39	Walmart Inc., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF WALMART INC., TO THE COMPLAINT OF THE NOCO COMPANY UNDER SECTION 337 OF THE TARIFF ACT OF 1930 AND NOTICE OF INVESTIGATION
40	Smartech Products, Inc., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONDENT SMARTECH PRODUCTS, INC.'S RESPONSE TO THE COMPLAINT UNDER 337 OF THE TARIFF ACT OF 1930, AS AMENDED, AND NOTICE OF INVESTIGATION, pages 98-102.
41	Halo2Cloud, LLC and ZAGG Inc., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF HALO2CLOUD, LLC AND ZAGG INC TO THE SECOND AMENDED COMPLAINT AND NOTICE OF INVESTIGATION, pages 141-142.
42	QVC, Inc., U.S. International Trade Commission, Investigation No. 337-1256, RESPONSE OF QVC, INC. TO THE SECOND AMENDED COMPLAINT AND NOTICE OF INVESTIGATION, pages 144-145.
43	In re Certain Portable Battery Jumpstarters and Components Thereof, 3370TA01256, United States International Trade Commission (March 17, 2021); Respondents Initial Invalidity Contentions, 14pages
44	Fairchild MC78XX/LM78XX/MC78XXA 3-Terminal 1A Positive Voltage Regulator

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	Attorney Docket Number		054985-000055-US-05

	45	USB Battery Charging 1.2 Compliance Plan, Rev. 1.0	
	46	Kysemi XR3403	
	47	Texas Instruments LM2621	
	48	USB Implementers Forum, Inc., Battery Charging Specification, Revision 1.1	
	49	Carku Epower-20B catalog information	
	50	USB Power Delivery Specification 1.0, July 16, 2012, Exhibit 1045	

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EXAMINER SIGNATURE			
Examiner Signature		Date Considered	

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

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	Art Unit	2859	
	Examiner Name	DIAO	
	Attorney Docket Number	054985-000055-US-05	

CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

That each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(1).

OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

See attached certification statement.

The fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ A certification statement is not submitted herewith.

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Michael Messinger/	Date (YYYY-MM-DD)	2022-08-17
Name/Print	Michael Messinger	Registration Number	44677

This collection of information is required by 37 CFR 1.97 and 1.98. 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 1 hour 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, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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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); (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.

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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 the Freedom of Information Act requires disclosure of these records.
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 inspections 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.



ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
16/450,422

RECEIPT DATE / TIME
08/17/2022 06:12:33 PM ET

ATTORNEY DOCKET #
054985-000055-US-05

Title of Invention

PORTABLE VEHICLE BATTERY JUMP START APPARATUS WITH SAFETY PROTECTION AND JUMPER CABLE DEVICE THEREOF

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
under 35 USC 111(a)

PATENT # -

CONFIRMATION # 1008

FILED BY Lisa Elliott

PATENT CENTER # 60883538

FILING DATE 06/24/2019

CUSTOMER # 20230

FIRST NAMED INVENTOR Jonathan Lewis Nook

CORRESPONDENCE ADDRESS -

AUTHORIZED BY Michael Messinger

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
2022-06-10 - IDS - 2-4 - 16450422 - 054985-000055- US-05.pdf	14	Information Disclosure Statement (IDS) Form (SB08)	1415 KB
TL.pdf	2	Transmittal Letter	241 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
2022-06-10 - IDS - 2-4 - 16450422 - 054985-000055-	6B8A98E5F19F9430C981240077EA2941D87188418A836D5E3D A6409F30450802742D161235E690771644195CEA4C0007553AC

US-05.pdf

203313B1F8CF6F0AFC44A253BC3

TL.pdf

6E949C713585996BAADAC448AB3C747CC222D199DECB773F
A49EBA351EA9B9C6C258ECEC43603C809891A996D1CF46FF5
B27D71A6EEFAFFB5C08745FAC5933D6

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

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.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	16450422
	Filing Date	2019-06-24
	First Named Inventor	NOOK
	Art Unit	2859
	Examiner Name	DIAO
Total Number of Pages in This Submission	Attorney Docket Number	054985-000055-US-05

ENCLOSURES (Check all that apply)		
☐ Fee Transmittal Form ☐ Fee Attached ☐ Amendment/Reply ☐ After Final ☐ Affidavits/declaration(s) ☐ Extension of Time Request ☐ Express Abandonment Request ☒ Information Disclosure Statement ☐ Certified Copy of Priority Document(s) ☐ Reply to Missing Parts/ Incomplete Application ☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53	☐ Drawing(s) ☐ Licensing-related Papers ☐ Petition ☐ Petition to Convert to a Provisional Application ☐ Power of Attorney, Revocation Change of Correspondence Address ☐ Terminal Disclaimer ☐ Request for Refund ☐ CD, Number of CD(s) _____ ☐ Landscape Table on CD	☐ After Allowance Communication to TC ☐ Appeal Communication to Board of Appeals and Interferences ☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) ☐ Proprietary Information ☐ Status Letter ☐ Other Enclosure(s) (please identify below):
Remarks Submitting IDS form to correct issue with truncation on NPL numbers 28 and 38, per Examiner phone call August 17, 2022.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Vorys, Sater, Seymour and Pease LLP		
Signature	/Michael Messinger/		
Printed name	Michael Messinger		
Date	2022-08-17	Reg. No.	37575

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or printed name		Date	

This collection of information is required by 37 CFR 1.5. 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 1.11 and 1.14. This collection is estimated to 2 hours 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, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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); (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.
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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.



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United States Patent and Trademark Office
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www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/450,422	06/24/2019	Jonathan Lewis Nook	054985-000055-US-05	1008
2023 759 08/23/2022 Vorys, Sater, Seymour and Pease LLP 1909 K St., NW 9th Floor Washington, DC 20006-1152			EXAMINER DIAO, M BAYE	
			ART UNIT 2859	PAPER NUMBER
			NOTIFICATION DATE 08/23/2022	DELIVERY MODE 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):

patlaw@vorys.com
vorys_docketing@cardinal-ip.com

Corrected Notice of Allowability	Application No. 16/450,422	Applicant(s) Nook et al.	
	Examiner M'BAYE DIAO	Art Unit 2859	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 RCEX filed on 6/10/22, Preliminary Amendment filed 6/23/22.
☐ 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 See Continuation Sheet. 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)

2. ☒ Information Disclosure Statements (PTO/SB/08),
 Paper No./Mail Date 08/17/2022.

3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material ____.

4. ☐ Interview Summary (PTO-413),
 Paper No./Mail Date. ____.

5. ☐ Examiner's Amendment/Comment

6. ☐ Examiner's Statement of Reasons for Allowance

7. ☒ Other RUSH OF 08/10/2022.

/M BAYE DIAO/ Primary Examiner, Art Unit 2859	08/18/2022
--	------------

Continuation of 3. The allowed claim(s) is/are: 1-10,12-23,29-60 (renumbered 1-54)

Doc code: IDS

PTO/SB/08a (02-18)

Doc description: Information Disclosure Statement (IDS) Filed

Approved for use through 11/30/2020. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	16450422
Filing Date	2019-06-24
First Named Inventor	NOOK
Art Unit	2859
Examiner Name	DIAO
Attorney Docket Number	054985-000055-US-05

U.S.PATENTS						Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
/M.D/	1	4740740		1988-04-26	TARANTO et al.	
	2	5831350		1998-11-03	McCONKEY et al.	
	3	6057667		2000-05-02	MILLS	
	4	6144110		2000-11-07	MATSUDA et al.	
	5	6160381		2000-12-12	PETERZELL	
	6	6249106		2001-06-19	TURNER et al.	
	7	6271605		2001-08-07	CARKNER et al.	
	8	6774607		2004-08-10	MOSENER et al.	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
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Application Number		16450422
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First Named Inventor	NOOK	
Art Unit		2859
Examiner Name	DIAO	
Attorney Docket Number		054985-000055-US-05

/M.D/	9	6856764		2005-02-15	HIGUMA	
	10	6919704		2005-07-19	HEALEY	
	11	7339347		2008-03-04	ELDER et al.	
	12	7508171		2009-03-24	CARRIER et al.	
	13	7579811		2009-08-25	SATL et al.	
	14	7514900		2009-04-07	SANDER et al.	
	15	7675261		2010-03-09	ELDER et al.	
	16	7791319		2010-09-07	VESELIC et al.	
	17	7847520		2010-12-07	VESELIC et al.	
	18	7868582		2011-01-11	SANDER et al.	
	19	8030900		2011-10-04	HUSSAIN et al.	

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Examiner Name	DIAO
Attorney Docket Number	054985-000055-US-05

/M.D./	20	8125181		2012-02-28	GREGG et al.	
	21	8686688		2014-04-01	HAN et al.	
	22	8786247		2014-07-22	SHINO et al.	
	23	8994327		2015-03-31	KUSCH et al.	
	24	9007023		2015-04-14	DAO	
	25	9263717		2016-02-16	NAKANO et al.	
	26	9263907		2016-02-16	RICHARDSON et al.	
	27	9287725		2016-03-15	HUFFMAN et al.	
	28	9718419		2017-08-01	PROEBSTLE	
	29	9871392		2018-01-16	DURANDO et al.	
	30	9874611		2018-01-23	WHITING et al.	

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/M.D/	9	20090236859		2009-09-24	MCFADDEN	
	10	20090253312		2009-10-08	DETTTER et al.	
	11	20100013302		2010-01-21	HOWELL et al.	
	12	20100055546		2010-03-04	ELDER et al.	
	13	20100181959		2010-07-22	GIBBS et al.	
	14	20100283623		2010-11-11	BAXTER et al.	
	15	20110127947		2011-06-02	HUNTER et al.	
	16	20110279089		2011-11-17	YEO	
	17	20120013189		2012-01-19	JENKINS	
	18	20120068662		2012-03-22	DURANDO et al.	
	19	20120139498		2012-06-07	CHANG	

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Examiner Name	DIAO
Attorney Docket Number	054985-000055-US-05

/M.D/	6	2000/024108	WO	A1	2000-04-27	CENTURY MFG. CO.		
	7	2005/038952	WO	A2	2005-04-28	BLACK & DECKER INC.	corresponds to EP 1673828	
	8	6997198	AU	A	1998-07-30	CLORE AUTOMOTIVE LLC		
	9	2015-115979	JP	A	2015-06-22	ASIA BRIGHT IND HONG KONG CO LTD; SFJ CORP	English Abstract attached	×
	10	104118374	CN	A	2014-10-29	HUIZHOU HUAYITONG TECHNOLOGY CO LTD	English Abstract attached	☒
	11	201947042	CN	U	2011-08-24	SHENZHEN SIBEISHENG ELECTRONIC TECHNOLOGY CO LTD	English Abstract attached	☒
	12	203211234	CN	U	2013-09-25	HUIZHOU HUAYITONG TECHNOLOGY CO LTD	English translation attached	☒
	13	203504235	CN	U	2014-03-26	LUO WUQIANG	English Abstract attached	☒
	14	203522157	CN	U	2014-04-02	SHENZHEN SBASE ELECTRONICS TECHNOLOGY CO LTD	English Abstract attached	☒
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NON-PATENT LITERATURE DOCUMENTS								Remove
Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.						T ⁵

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/M.D/	1	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 08/14/19, The NOCO Company, Inc. v. Shenzhen Lianfa Tong Technology Co., Ltd. and Shenzhen Meditek Tong Technology Co., Ltd., 1 page.
	2	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 08/14/19, The NOCO Company, Inc. v. Sitect Instruments Company Limited, 1 page.
	3	Copy of Decision Granting Institution of Inter Partes Review, Patent Number 9007015, Application 14/325938 on 11/12/20, IPR2020-00944, 70 pages.
	4	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Shenzhen Yike Electronics, 1 page.
	5	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Guangzhou Unique Electronics Co., Ltd. and Sui Cheng Limited, 1 page.
	6	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Zhejiang Qingyou Electronic Commerce Co., Ltd., 1 page.
	7	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Shenzhen GOOLOO E-Commerce Co., Ltd., 1 page.
	8	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Nice Team Enterprise Limited, 1 page.
	9	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 05/28/20, The NOCO Company, Inc. v. Aukey Technology Co., Ltd., 1 page.
	10	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 03/16/20, The NOCO Company, Inc. v. Nekteck, Inc., 1 page.
	11	Copy of Report on the Filing or Determination of an Action Regarding a Patent or Trademark, filed 03/13/20, The NOCO Company, Inc. v. Medcursor, Inc., 1 page.

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Attorney Docket Number	054985-000055-US-05

/M.D/	12	Australian Patent Opposition #2, Notice of Opposition,Australian Patent Application No. 2019201559, Brown & Watson International Pty Ltd., February 21, 2020, 1 page.
	13	The offering for sale and sale by ATD Tools, Inc of a product identified as the ADT 5900 Jump Starter prior to July 2014.
	14	Australian Patent Opposition #3, Notice of Opposition,Australian Patent Application No. 2020201223, Brown & Watson International Pty Ltd., August 7, 2020.
	15	German Patent Opposition. German Patent Application No. 102014114997
	16	D21 advertisement brochure of the opponent transmitted on 12-22-2013.
	17	D22 advertisement brochure of the opponent transmitted on 04-23-2014.
	18	D23 SGS test report relating to jump start devices of the opponent dated 04-21-2014.
	19	D24 TWM417714U1
	20	D24a machine translation of D24
	21	D25 data sheet of TOPCOMTECHNOLOGY CO., LTD., for the product "Universal Power Bank", dated November 15, 2011.
	22	D28 affidavit of the manager of the requesting party, 2013.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Art Unit	2859
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Attorney Docket Number	054985-000055-US-05

/M.D/	23	German Nullity Action, German Patent Application No. 202014011347.5
	24	THE NOCO COMPANY v. RING AUTOMOTIVE LIMITED, HP-2020-000022, Grounds of Invalidity, In the High Court of Justice Business And Property Courts of England and Wales Intellectual Property List (ChD) Patents Court, 2 pages
	25	the making available to the public by supply, description and/or use of the HP2200 jump starter described in the manual dated August 2013 at Annex A Before 3 July 2014 including in and after August 2013('HP2200') (cited on page 1 of reference THE NOCO COMPANY v. RING AUTOMOTIVE LIMITED, HP-2020-000022, Grounds of Invalidity).
	26	the Carku E-Power 21 device in so far as it is established to have been made available to the public in the Eariler Proceedings ('Carku E-Power 21') (cited on page 2 of reference THE NOCO COMPANY v. RING AUTOMOTIVE LIMITED, HP-2020-000022, Grounds of Invalidity)
	27	THE NOCO COMPANY v. SHENZHEN VALUELINK E-COMMERCE CO., LTD, Case No. 1:17-cv-02210, Defendants' Amended Final Invalidity and Unenforceability Contents, 9/23/2019, 5 pages.; The Powerall PBJ512000RD Jump Starter ("Powerall Jump Starter"), offered For sale by Gryphon Mobile Electronics at least as early as 11/5/2013; The Lightning 12V Jump Starter ("Lightning Jump Starter"), offered for sale by Pilot, Inc. at least as early as 3/2014; The L3 Model Jump Starter, offered for sale by Shenzhen Tsevie Company as Early as 5/19/2019.
	28	THE NOCO COMPANY, INC. v. SHENZHEN CHANGXINYANG TECHNOLOGY CO., LTD., Case No. 1:17-cv-02209, Defendants' Amended Final Invalidity and Unenforceability Contents, US District Court of North. Ohio, East. District. Powerall PBJ512000RD Jump Starter ("Powerall Jump Starter"), sale by Gryphon Mobile Electronics as early 11/5/13; Lightning 12V Jump Starter ("Lightning Jump Starter"), sale by Pilot, Inc. as early 3/14; L3 Model Jump Starter, sale by Shenzhen Tsevie Co as early 5/19/19.
	29	Notification of Material filed under Section 27, Australian Government IP Australia, November 8, 2016 (3 pages); Declaration of Sheridan Lee (8 pages); Annexure SL-1 (8 pages); Annexure SL-2 (10 pages); Annexure SL-3 (9 pages); Annexure SL-4 (18 pages); Annexure SL-5, JP 3185027 (14 pages); Annexure SL-6 of English Translation of JP 3185027 (17 pages) and US 2004/0130298 (14 pages).
	30	This Portable USB Charger Battery Pack Can Also Jump Start Your Car (viewed on Internet on October 27, 2020] <URL: https://www.howto.geek.com/179499/this-portable-usb-charger-battery-pack-can-also-jump-start-your-car/ >, published on January 13, 2014.
	31	Clore Automotive, LLC, U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF CLORE AUTOMOTIVE, LLC TO THE AMENDED COMPLAINT AND NOTICE OF INVESTIGATION, pages 150-151.
	32	Deltran USA, LLC, U.S. International Trade Commission, Investigation No. 337-TA-1256 DELTRAN USA, LLC'S RESPONSE TO THE AMENDED COMPLAINT AND NOTICE OF INVESTIGATION, pages 196-219.
	33	Schumaker Electric Corporation and Schumacher Power Technology (Binhai) Co. Ltd., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF SCHUMACHER ELECTRIC CORPORATON AND SCHUMACHER POWER TECHNOLOGY (BINHAI) CO. LTD., TO THE COMPLAINT OF THE NOCO COMPANY UNDER SECTION 337 OF THE TARIFF ACT OF 1930 AND NOTICE OF INVESTIGATION, pages 180-184.

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number	16450422
Filing Date	2019-06-24
First Named Inventor	NOOK
Art Unit	2859
Examiner Name	DIAO
Attorney Docket Number	054985-000055-US-05

/M.D/	34	Best Buy Co., Inc., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF BEST BUY CO., INC. TO THE FIRST AMENDED COMPLAINT AND THE NOTICE OF INVESTIGATION, pages 69-71.
	35	Guangdong Boltpower Energy Co, Ltd., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF GUANGDONG BOLTPOWER ENERGY CO., LTD. TO THE FIRST AMENDED COMPLAINT AND THE NOTICE OF INVESTIGATION, pages 73-74.
	36	Winplus North America, Inc. U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF WINPLUS NORTH AMERICA, INC. TO THE AMENDED COMPLAINT AND THE COMMISSIONER'S NOTICE OF INVESTIGATION, Exhibit B, pages 1-5.
	37	Autozone, Inc., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONDENTS AUTOZONE, INC. AND BEST PARTS, INC.'S RESPONSE TO THE AMENDED COMPLAINT AND NOTICE OF INVESTIGATION.
	38	Shenzhen Carku Tech. Co., Ltd., 70MAI Co., Ltd., Antigravity Batteries LLC, Gooloo Tech. LLC, Great Neck Saw Manufactures, Inc., Horizon Tool, Inc., MATCO Tools Corp., Nekteck, Inc., Paris Corp., Powermax Battery (U.S.A.), Inc., and Shenzhen Gooloo E-Commerce Co., Ltd. U.S. Intl. Trade Commission, Invest. No. 337-TA-1256, RESPONSE TO THE AMENDED COMPLAINT AND NOTICE OF INVESTIGATION, Exhibit B, pages 1-3.
	39	Walmart Inc., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF WALMATR INC., TO THE COMPLAINT OF THE NOCO COMPANY UNDER SECTION 337 OF THE TARIFF ACT OF 1930 AND NOTICE OF INVESTIGATION
	40	Smartech Products, Inc., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONDENT SMARTECH PRODUCTS, INC.'S RESPONSE TO THE COMPLAINT UNDER 337 OF THE TARIFF ACT OF 1930, AS AMENDED, AND NOTICE OF INVESTIGATION, pages 98-102.
	41	Halo2Cloud, LLC and ZAGG Inc., U.S. International Trade Commission, Investigation No. 337-TA-1256, RESPONSE OF HALO2CLOUD, LLC AND ZAGG INC TO THE SECOND AMENDED COMPLAINT AND NOTICE OF INVESTIGATION, pages 141-142.
	42	QVC, Inc., U.S. International Trade Commission, Investigation No. 337-1256, RESPONSE OF QVC, INC. TO THE SECOND AMENDED COMPLAINT AND NOTICE OF INVESTIGATION, pages 144-145.
	43	In re Certain Portable Battery Jumpstarters and Components Thereof, 3370TA01256, United States International Trade Commission (March 17, 2021); Respondents Initial Invalidity Contentions, 14pages
	44	Fairchild MC78XX/LM78XX/MC78XXA 3-Terminal 1A Positive Voltage Regulator

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Not for submission under 37 CFR 1.99)

Application Number	16450422
Filing Date	2019-06-24
First Named Inventor	NOOK
Art Unit	2859
Examiner Name	DIAO
Attorney Docket Number	054985-000055-US-05

/M.D/	45	USB Battery Charging 1.2 Compliance Plan, Rev. 1.0	
	46	Xysemi XR3403	
	47	Texas Instruments LM2621	
	48	USB Implementers Forum, Inc., Battery Charging Specification, Revision 1.1	
	49	Carku Epower-20B catalog information	
	50	USB Power Delivery Specification 1.0, July 16, 2012, Exhibit 1045	

If you wish to add additional non-patent literature document citation information please click the Add button

Add

EXAMINER SIGNATURE

Examiner Signature	/M BAYE DIAO/	Date Considered	08/18/2022
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04.

² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3).

³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

⁵ Applicant is to place a check mark here if English language translation is attached.



APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/450,422	09/20/2022	11447023	054985-000055-US-05	1008

2023 759 8/31/2022

Vorys, Sater, Seymour and Pease LLP
1909 K St., NW
9th Floor
Washington, DC 20006-1152**ISSUE NOTIFICATION**

The projected patent number and issue date are specified above.

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

The Patent Term Adjustment is 0 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

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 Application Assistance Unit (AAU) of the Office of Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional inventors):

Jonathan Lewis Nook, Gates Mills, OH;
William Knight Nook, Shaker Heights, OH;
James Richard Stanfield, Peoria, AZ;
Derek Michael Underhill, Tempe, AZ;

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

THE NOCO COMPANY, Glenwillow, OH;

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit [SelectUSA.gov](https://www.selectusa.gov).

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Northern District of California on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 23-cv-642	DATE FILED 2/14/2023	U.S. DISTRICT COURT Northern District of California
PLAINTIFF The NOCO Company		DEFENDANT Hulkman LLC and Shenzhen Konghui Trading Co., LTD, D/B/A Hulkman Direct
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 9,770,992	9/26/2017	The NOCO Company
2 10,328,808	6/25/2019	The NOCO Company
3 10,981,452	4/20/2021	The NOCO Company
4 11,254,213	2/22/2022	The NOCO Company
5 11,447,023	9/20/2022	The NOCO Company

In the above —entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED 3/13/2023	INCLUDED BY ☒ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 US 11,584,243	2/21/2023	The NOCO Company
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4 —Case file copy

A-120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Central District of California on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.)

DOCKET NO. <u>8:23-cv-00269-CFC</u>	DATE FILED <u>2/14/2023</u>	U.S. DISTRICT COURT <u>Central District of California</u>
PLAINTIFF The NOCO Company		DEFENDANT Winplus North America, Inc., Winplus NA, LLC, and ADC Solutions Auto LLC
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
<u>1 U.S. 10,981,452</u>	<u>4/20/2021</u>	The NOCO Company
<u>2 U.S. 11,254,213</u>	<u>2/22/2022</u>	The NOCO Company
<u>3 U.S. 11,447,023</u>	<u>9/20/2022</u>	The NOCO Company
4		
5		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED <u>3/13/2023</u>	INCLUDED BY ☒ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
<u>1 U.S. 11,584,243</u>	<u>2/21/2023</u>	The NOCO Company
2		
3		
4		
5		

In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT Order granting Defendants Winplus North America, Inc., Winplus NA, LLC, and ADC Solutions Auto LLC'S Unopposed Motion to Stay by Judge Carney. Case Terminated.
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CLERK Kiry K. Gray	(BY) DEPUTY CLERK Trina DeBose	DATE 5/4/23
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy