507563968 10/26/2022 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7610857

SUBMISSION TYPE:	MISSION TYPE: NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ATA				
		Name	Execution Date		
HELIA JALILI			01/10/2018		
FRANCOIS DARY			01/10/2018		
BARBARA COX			01/10/2018		
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City:	NEWTO	N			
State/Country:	MASSACHUSETTS				
Postal Code:	02461				
	Total: 1				
PROPERTY NUMBERS Total: 1		Number			
Property Type Application Number: 1767		7671768			
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Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE: DATE SIGNED:	de M 1 W	erya.sevinc@morganlewis.com ORGAN, LEWIS, & BOCKIUS LLP (B0) 111 PENNSYLVANIA AVENUE, NW /ASHINGTON, D.C. 20004 HCS-086AC4/127119-5086 MATTHEW T. CURRIE /MATTHEW T. CURRIE/	m,		
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Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 4	dd M 1 W IMBER:	ignmentasfiled#page1.tif	m,		

PATENT REEL: 061543 FRAME: 0150

PATENT APPLICATION Assignment

For good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, co-inventors, hereinafter referred to as Assignors:

HELIA JALILI

FRANCOIS DARY

BARBARA COX

Who have created a certain invention for which an application for United States Letters Patent entitled "CURRENT-INDUCED DARK LAYER FORMATION FOR METALLIZATION IN ELECTRONIC DEVICES", was filed at the U.S. Patent and Trademark Office on July 21, 2017 and assigned U.S. Patent Application Serial No. 62/535,403,

Do hereby sell, assign and transfer to **H.C. Starck Inc.**, a corporation having a place of business at 45 Industrial Place, Newton, MA, 02461, its successors, assigns, and legal representatives, the full and exclusive right to said invention and said application and to any and all inventions described in said invention and said application and to any and all inventions described in said application for the United States, its territorial possessions and all foreign countries, and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, its territorial possessions and all foreign countries; and in and to any and all provisionals, continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, and all other applications for Letters Patent relating thereto which have been or shall be filed in the United States, its territorial possession and/or any foreign countries, and all rights, together with all priority rights, under any of the international conventions, unions, agreements, act, and treaties, including all future conventions, unions, agreements, acts, and treaties;

Agree that **H.C. Starck Inc.**, hereinafter referred to as Assignee, may apply for and receive Letters Patent for said invention and said inventions, hereinafter referred to as said invention, in its own name, in the United States, its territorial possessions, and all foreign countries; and that, when requested to carry out in good faith the intent and purpose of this assignment, at the expense of said Assignee, its successors, assigns and legal representatives, the undersigned will execute all continuations-in-part, continuations, divisions, substitutes, reissues, extensions thereof, execute all rightful oaths, assignments, powers of attorney and other papers, testify in any legal or quasi legal proceedings; communicate to said Assignee, its successors, assigns or legal representatives all facts known to the undersigned relating to said invention and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or legal representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said invention and for vesting title to said invention and all applications for patents on said invention in said Assignee, successors, assigns, or legal representatives; and

PATENT REEL: 061543 FRAME: 0151

Covenant with said Assignce, its successors, assigns, or legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same has herein expressed is possessed by the undersigned.

Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document;

MORGAN, LEWIS & BOCKIUS LLP

Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

IN THE TESTIMONY WHEREOF we have hereunto set our signatures on the date indicated below.

		Une And	÷ _24, ,
		HELIA J	
Date: <u> /] /</u>	118		
United States of Am State of County of	erica) <u>1114 (1114)</u> 58. <u>1114 (1114)</u> 58.	(B)	EL127 BETH O'DESS Notary PALC Connormation of Manachuratis My Commission Expires Merch 15, 2024
On this	· · · · · · · · · · · · · · · · · · ·	, <u>7018</u> , to me known to	, before me
described in and wh of the same.	o executed the foregoing instru	iment, and acknowledge	ed execution

<u>44 0 /2 _</u>

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Notary Public

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			FRANCOIS DARY
Date: $01.10 - 20.07$ United States of America State of 4.4)) ss.:	ELIZABETH O'DESS Natary Fizik; Community of Nationachands My Commission Expires March 15, 2024
County of	m <u>.d.lecce</u> k)	
On this personally came	day of معرومه FRANCOIS	**** <u>*</u> , DARĂ	$2 \circ (6)$, before me , to me known to be the individual
of the same.	to executed the foregon	ig insurument,	and acknowledged execution

Notary Public

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BARBARA COX

Date: <u>01-10-2008</u>

United States of America) State of $(M \land A^{-})$ ss.: County of $M \land A \land A \land S \land S \land S$



On this $(0^{1})^{-1}$ day of $(0^{1})^{-1}$ day of (0^{1})^{-1} day of $(0^{1})^{-1}$ day of (0^{1})^{-1}

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Notary Public

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