

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT5366132

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JESPER NERLOV	01/29/2019
NIELS CHRISTIAN SCHJØDT	01/31/2019
SØREN DAHL	12/12/2018
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<b>Street Address:</b>	HALDOR TOPSØES ALLÉ 1
<b>City:</b>	KGS. LYNGBY
<b>State/Country:</b>	DENMARK
<b>Postal Code:</b>	2800
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16324114
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)836-2021
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	703-299-6874
<b>Email:</b>	marie.lucier@bipc.com
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<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314-2727
<b>ATTORNEY DOCKET NUMBER:</b>	0089865-000043
<b>NAME OF SUBMITTER:</b>	MARIE J. LUCIER
<b>SIGNATURE:</b>	/MARIE J LUCIER/
<b>DATE SIGNED:</b>	02/07/2019
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 3</b>	
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## ASSIGNMENT

As one of the below named inventors, I hereby declare that this Assignment is directed to:

- (1) ☒ U.S. application number or PCT application number PCT/EP2017/071994 filed on September 1, 2017, entitled KESTERITE MATERIAL OF CZTS, CZTSe OR CZTSSe TYPE; or
- (2) ☐ the attached application entitled KESTERITE MATERIAL OF CZTS, CZTSe OR CZTSSe TYPE.

THIS ASSIGNMENT, by the undersigned inventors (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements set forth in an application for Letters Patent of the United States, which is a nonprovisional application;

WHEREAS, HALDOR TOPSØE A/S, a corporation duly organized under and pursuant to the laws of DENMARK and having a principal place of business at Haldor Topsøes Allé 1, Kgs. Lyngby 2800 Denmark (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behoof and the use and behoof of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;


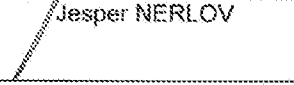
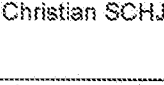
AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

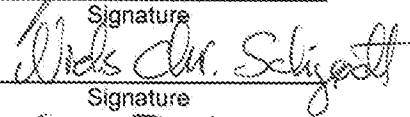
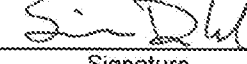
AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths,

and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behoof of the Assignee, its successors, legal representatives, and assigns.

29/1 - 19  
Date  
31/1 - 19  
Date  
12/12 - 2018  
Date

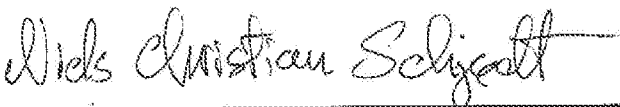


  
Jesper NERLOV  
  
Niels Christian SCHJØDT  
  
Søren DAHL

  
Signature  
  
Signature  
  
Signature

PCT

Print Out (Original In Electronic Form)

02131-WO

VIII-4-1	Declaration: Inventorship (only for the purposes of the designation of the United States of America) Declaration of Inventorship (Rules 4.17(iv) and 51 bis.1(a)(iv)) for the purposes of the designation of the United States of America:	<p>I hereby declare that I believe I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p>This declaration is directed to international application No. PCT/EP2017/071994.</p> <p>I hereby declare that the above-identified international application was made or authorized to be made by me.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.</p>
VIII-4-1-1-1	Name (LAST, First)	SCHJØDT, Niels Christian
VIII-4-1-1-2	Residence: (city and either US state, if applicable, or country)	Brønshøj, Denmark
VIII-4-1-1-3	Mailing Address:	Risbyholmvej 20 2700 Brønshøj
VIII-4-1-1-4	Inventor's Signature: (The signature must be that of the inventor, not that of the agent)	
VIII-4-1-1-5	Date: 2.10.2017	
VIII-4-1-2-1	Name (LAST, First)	DAHL, Søren
VIII-4-1-2-2	Residence: (city and either US state, if applicable, or country)	Hillerød, Denmark
VIII-4-1-2-3	Mailing Address:	Lille Sverige Vej 7 A 3400 Hillerød
VIII-4-1-2-4	Inventor's Signature: (The signature must be that of the inventor, not that of the agent)	
VIII-4-1-2-5	Date: 2.10.2017	
VIII-4-1-3-1	Name (LAST, First)	NERLOV, Jesper
VIII-4-1-3-2	Residence: (city and either US state, if applicable, or country)	Værløse, Denmark
VIII-4-1-3-3	Mailing Address:	Liljevej 6 3500 Værløse
VIII-4-1-3-4	Inventor's Signature: (The signature must be that of the inventor, not that of the agent)	
VIII-4-1-3-5	Date: 15/9/2017	

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