

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5828440

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHUJIE WANG	11/19/2019
NIEFENG SUN	11/19/2019
HUI SHENG LIU	11/19/2019
TONGNIAN SUN	11/19/2019
YANLEI SHI	11/19/2019
HUIMIN SHAO	11/19/2019
XIAOLAN LI	11/19/2019
YANG WANG	11/19/2019
LIJIE FU	11/19/2019
RECEIVING PARTY DATA	
Name:	THE 13TH RESEARCH INSTITUTE OF CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION
Street Address:	NO. 113 HEZUO ROAD
City:	SHIJIAZHUANG, HEBEI
State/Country:	CHINA
Postal Code:	050051
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16475842
CORRESPONDENCE DATA	
Fax Number:	(858)408-1804
<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>	
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Correspondent Name:	KENNETH X. XIE
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Address Line 4:	SAN DIEGO, CALIFORNIA 92106
ATTORNEY DOCKET NUMBER:	JZHQ13.002NP

NAME OF SUBMITTER:	KENNETH XIE
SIGNATURE:	/Kenneth X. Xie/
DATE SIGNED:	11/19/2019
Total Attachments: 12 source=2019-11-19 Executed Assignment - JZHQ13.002NP#page1.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page2.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page3.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page4.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page5.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page6.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page7.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page8.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page9.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page10.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page11.tif source=2019-11-19 Executed Assignment - JZHQ13.002NP#page12.tif	

ASSIGNMENT

Identification of ASSIGNOR(S):

Shujie WANG having an address in in Shijiazhuang, Hebei, China

Niefeng SUN having an address in in Shijiazhuang, Hebei, China

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Yang WANG having an address in in Shijiazhuang, Hebei, China

Lijie FU having an address in in Shijiazhuang, Hebei, China

Identification of ASSIGNEE(S):

THE 13TH RESEARCH INSTITUTE OF CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION, a Corporation, having an address at No.113 Hezuo Road, Shijiazhuang, Hebei China 050051

Subject of this Assignment:

New and useful improvements, technology, inventions, developments, ideas, know-how, ornamental designs and/or discoveries related to: **DEVICE AND METHOD FOR CONTINUOUS VGF CRYSTAL GROWTH THROUGH ROTATION AFTER HORIZONTAL INJECTION SYNTHESIS**. The Subject of this Assignment is referred to herein as the WORK.

Recitations/Purpose:

The ASSIGNOR(S) identified above have contributed to the WORK. One or more patent applications directed to aspects of the WORK have been and/or will be filed with the United States Patent and Trademark Office and/or one or more patent offices of jurisdictions foreign to the United States. The ASSIGNEE(S) identified above desires to acquire the entire right, title, and interest in and to the WORK and all rights in any patent applications and/or granted patents relating to any aspect of the WORK throughout the world. The ASSIGNOR(S) identified above may be inventors with respect to inventions described and/or claimed in one or more such patent applications and/or granted patents, and they desire to transfer their entire right, title, and interest in the WORK to the ASSIGNEE(S) identified above in accordance with the terms of this Assignment.

Assignment of rights from ASSIGNOR(S) to ASSIGNEE(S):

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) have sold, assigned, transferred and set over, and by this Assignment do hereby sell, assign, transfer and set over, to ASSIGNEE(S), its successors, legal representatives and assigns, any and all rights, title, and interest throughout the world in and to the WORK, including but not limited to any and all intellectual property rights of any kind associated with or arising in whole or part from the WORK. This includes but is not limited to any and all patent applications and granted Letters Patent directed to, related to, disclosing, or otherwise arising in whole or part from the WORK that have been or will be filed or granted in any jurisdiction throughout the world. These patent applications and/or granted patents are collectively referred to herein as the PATENTS AND APPLICATIONS, and they include at least the application identified above (if any) as well as the applications and/or patents listed in the table set forth below, following the ASSIGNOR(S)/ASSIGNEE signature pages.

ASSIGNOR(S) acknowledge that the assigned rights to the PATENTS AND APPLICATIONS include but are not limited to:

- (1) any and all rights in and to any provisional applications, nonprovisional applications, design applications, utility models, or any other form of patent or industrial protection application claiming priority to any of the applications and/or Letters Patent set forth in this Assignment or to which any of the applications and/or Letters Patent set forth in this Assignment claim priority, including all parents, children, divisions, continuations, and continuations-in-part of any of them which may be filed in the United States or in any country or countries foreign to the United States throughout the world;
- (2) any and all rights in and to any Letters Patent which may have been or may hereafter be granted in the United States or in any country or countries foreign to the United States that are granted on, relate to, correspond to, or claim priority to any of the applications set forth in this Assignment, and all extensions, renewals, reissues, ex parte reexaminations, inter-partes reviews, post grant reviews, interferences, and derivation proceedings thereof;
- (3) any and all rights of priority under International Conventions arising from any of the applications and/or Letters Patent set forth in this Assignment;
- (4) any and all claims for damages or other remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE(S), or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past, present, and future infringements of any of the applications and/or Letters Patent set forth in this Assignment before or after issuance.

ASSIGNOR(S) agree that ASSIGNEE(S) is/are permitted, but not obligated, to insert or correct specific patent application information such as serial number and filing date regarding PATENTS AND APPLICATIONS covered by this Assignment after its execution.

Obligations of ASSIGNOR(S):

ASSIGNOR(S) authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents, to issue all Letters Patent arising from any and all PATENTS AND APPLICATIONS to the ASSIGNEE, its successors, legal representatives and assigns.

ASSIGNOR(S) agree to communicate to ASSIGNEE(S), its successors, legal representatives and assigns, any facts known to ASSIGNOR(S) respecting the WORK and/or the PATENTS AND APPLICATIONS, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to or arising out of the WORK and/or the PATENTS AND APPLICATIONS or any improvements made to the WORK either now or in the future, sign all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the WORK and/or the PATENTS AND APPLICATIONS and any improvements made thereto, and generally do everything possible to aid the ASSIGNEE(S), its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the

Application No.: 16/475,842
Filing Date: 7/3/19
Veros Ref. No.: JZHQ13.002NP

WORK and/or the PATENTS AND APPLICATIONS in all proceedings before administrative agencies or courts of law throughout the world.

In witness whereof, we have signed this Assignment on the date(s) indicated below:

ASSIGNOR: Shujie WANG

Signature: Shujie WANG

Date: November, 19, 2019.

(Optional):

Witness Signature: _____

Name: _____

Date: _____

Application No.: 16/475,842
Filing Date: 7/3/19
Veros Ref. No.: JZHQ13.002NP

ASSIGNOR: Niefeng SUN

Signature: Niefeng SUN

Date: November 19, 2019

(Optional):

Witness Signature: _____

Name: _____

Date: _____

Application No.: 16/475,842
Filing Date: 7/3/19
Veros Ref. No.: JZHQ13.002NP

ASSIGNOR: Huisheng LIU

Signature: Huisheng LIU

Date: November 19, 2019

(Optional):

Witness Signature: _____

Name: _____

Date: _____

Application No.: 16/475,842
Filing Date: 7/3/19
Veros Ref. No.: JZHQ13.002NP

ASSIGNOR: Tongnian SUN

Signature: Tongnian Sun

Date: November 19, 2019

(Optional):

Witness Signature: _____

Name: _____

Date: _____

Application No.: 16/475,842
Filing Date: 7/3/19
Veros Ref. No.: JZHQ13.002NP

ASSIGNOR: Yanlei SHI

Signature: Yan Lei SHI

Date: November 19, 2019

(Optional):

Witness Signature: _____

Name: _____

Date: _____

Application No.: 16/475,842
Filing Date: 7/3/19
Veros Ref. No.: JZHQ13.002NP

ASSIGNOR: Huimin SHAO

Signature: Huimin SHAO

Date: Nov. 19, 2019

(Optional):

Witness Signature: _____

Name: _____

Date: _____

Application No.: 16/475,842
Filing Date: 7/3/19
Veris Ref. No.: J2HQ13.002NP

ASSIGNOR: Xiaolan Li

Signature: Xiaolan Li

Date: November 19, 2019

(Optional):

Witness Signature: _____

Name: _____

Date: _____

Application No.: 16/475,842
Filing Date: 7/3/19
Veros Ref. No.: JZHQ13.002NP

ASSIGNOR: Yang WANG

Signature: Yang WANG

Date: November 19, 2019

(Optional):

Witness Signature: _____

Name: _____

Date: _____

Application No.: 16/475,842
Filing Date: 7/3/19
Veros Ref. No.: JZHQ13.002NP

ASSIGNOR: Lijie FU

Signature: Lijie Fu

Date: November 19, 2019

(Optional):

Witness Signature: _____

Name: _____

Date: _____

Application No.: 16/475,842
Filing Date: 7/3/19
Veros Ref. No.: JZHQ13.002NP

ASSIGNEE: THE 13TH RESEARCH INSTITUTE OF CHINA ELECTRONICS TECHNOLOGY GROUP CORPORATION

Signature: Niefeng SUN

Name of Signatory: Niefeng SUN

Title of Signatory: Professor

Date: November, 19, 2019

(Optional):

Witness Signature: _____

Name: _____

Date: _____