

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
CONVEYING PARTY DATA																							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Werner Knaepen</td> <td>06/11/2013</td> </tr> <tr> <td>Bert Jongbloed</td> <td>06/11/2013</td> </tr> <tr> <td>Dieter Pierreux</td> <td>06/13/2013</td> </tr> <tr> <td>Peter Zagwijn</td> <td>06/20/2013</td> </tr> <tr> <td>Hessel Sprey</td> <td>06/11/2013</td> </tr> <tr> <td>Cornelius A. van der Jeugd</td> <td>06/11/2013</td> </tr> <tr> <td>Marinus Josephus de Blank</td> <td>06/11/2013</td> </tr> <tr> <td>Robin Roelofs</td> <td>06/11/2013</td> </tr> <tr> <td>Qi Xie</td> <td>06/11/2013</td> </tr> <tr> <td>Jan Willem Maes</td> <td>06/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	Werner Knaepen	06/11/2013	Bert Jongbloed	06/11/2013	Dieter Pierreux	06/13/2013	Peter Zagwijn	06/20/2013	Hessel Sprey	06/11/2013	Cornelius A. van der Jeugd	06/11/2013	Marinus Josephus de Blank	06/11/2013	Robin Roelofs	06/11/2013	Qi Xie	06/11/2013	Jan Willem Maes	06/12/2013
Name	Execution Date																						
Werner Knaepen	06/11/2013																						
Bert Jongbloed	06/11/2013																						
Dieter Pierreux	06/13/2013																						
Peter Zagwijn	06/20/2013																						
Hessel Sprey	06/11/2013																						
Cornelius A. van der Jeugd	06/11/2013																						
Marinus Josephus de Blank	06/11/2013																						
Robin Roelofs	06/11/2013																						
Qi Xie	06/11/2013																						
Jan Willem Maes	06/12/2013																						
RECEIVING PARTY DATA																							
Name:	ASM IP Holding B.V.																						
Street Address:	Versterkerstaat 8																						
City:	1322 AP Almere																						
State/Country:	NETHERLANDS																						
PROPERTY NUMBERS Total: 1																							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13907718</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13907718																		
Property Type	Number																						
Application Number:	13907718																						
CORRESPONDENCE DATA																							
Fax Number:	9497609502																						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																							
Phone:	9497600404																						
Email:	efiling@knobbe.com																						
Correspondent Name:	Knobbe, Martens, Olson & Bear LLP																						
Address Line 1:	2040 Main Street																						
Address Line 2:	14th Floor																						

OP \$40.00 13907718

Address Line 4: Irvine, CALIFORNIA 92614

ATTORNEY DOCKET NUMBER: ASMINT.122AUS

NAME OF SUBMITTER: Zi Y. Wong

Signature: /Zi Y. Wong/

Date: 07/19/2013

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 11

source=ASMINT_122AUS-Dec_Assignment#page1.tif
source=ASMINT_122AUS-Dec_Assignment#page2.tif
source=ASMINT_122AUS-Dec_Assignment#page3.tif
source=ASMINT_122AUS-Dec_Assignment#page4.tif
source=ASMINT_122AUS-Dec_Assignment#page5.tif
source=ASMINT_122AUS-Dec_Assignment#page6.tif
source=ASMINT_122AUS-Dec_Assignment#page7.tif
source=ASMINT_122AUS-Dec_Assignment#page8.tif
source=ASMINT_122AUS-Dec_Assignment#page9.tif
source=ASMINT_122AUS-Dec_Assignment#page10.tif
source=ASMINT_122AUS-Dec_Assignment#page11.tif

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

Page 1 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Pierreux, Peter Zagwijn, Hessel Sprey,
Cornelius A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maes

Declaration

This Declaration is directed to the application identified above that:

Was filed **May 31, 2013** as U.S. Patent Application No. **13/907,718** and incorporating any amendments made thereto prior to the signature date of this Declaration.

As a named inventor, I declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

Assignment from Inventors

WHEREAS, above-identified Inventors (individual(s) hereinafter "ASSIGNOR") invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental designs, or discoveries, and hereby assign or are under an obligation to assign to the below identified Assignee the above-titled application (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been prepared for filing with the United States Patent and Trademark Office (hereinafter the "Application").

AND WHEREAS, ASM IP Holding B.V., with its principal place of business at Versterkerstaat 8, 1322 AP Almere, THE NETHERLANDS (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work.

NOW, THEREFORE, for good and valuable consideration of which receipt is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all patent properties filed or issued upon the Application and the Work; where "Patent Properties" include, but are not limited to:

all provisional applications relating thereto;

all nonprovisional applications claiming priority to aforementioned provisional(s) and/or the present Application, including, all divisions, continuations, continuations-in-part, and reissues, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof; and

all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

Page 2 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Pierreux, Peter Zagwijn, Hessel Sprey,
Cornelius A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maes

ASSIGNOR hereby acknowledges the ASSIGNEE as the Applicant for all aforementioned patent properties, and authorizes and requests 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 on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other Patent Property relating to the Application and the Work or any improvements made thereto, sign/execute all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

Legal Name of inventor: Werner Knaepen

Signature: _____

Date: _____

Witnessed by: _____

Witness Name (printed): _____

PATENT

REEL: 030840 FRAME: 0421

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))
Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

Page 3 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Pierreux, Peter Zagwijn, Hessel Sprey,
Cornelius A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maes

Legal Name of Inventor: Bert Jongbloed

Signature: 

Date: 11-6-2013

Witnessed by: 

Witness Name (printed):

Cornelius A. van der Jeugd

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

Page 4 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Pierreux, Peter Zagwijn, Hessel Sprey,
Cornelius A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maes

Legal Name of inventor: Dieter Pierreux

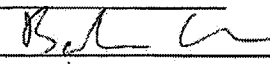
Signature: _____



Date: _____

13/06/2013

Witnessed by: _____



Witness Name (printed): _____

Barber Chen

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

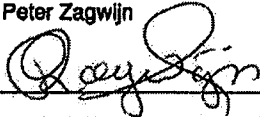
Page 5 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Plerreux, Peter Zagwijn, Hessel Sprey,
Cornellus A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maas

Legal Name of inventor: Peter Zagwijn

Signature: _____



Date: _____

June 20, 2013

Witnessed by: _____

Witness Name (printed): _____

Frank Huussen

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

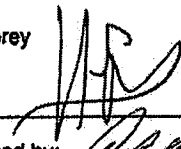
Page 6 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Plerreux, Peter Zagwijn, Hessel Sprey,
Cornelius A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maes

Legal Name of Inventor: Hessel Sprey

Signature: _____



Date: _____

11/6/2013

Witnessed by: _____



Witness Name (printed): _____

Cornelius A. van der Jeugd.

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

Page 7 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Plerreux, Peter Zagwijn, Hessel Sprey,
Cornelius A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maes

Legal Name of inventor: Cornelius A. van der Jeugd

Signature: _____

Date: _____

11/6/2013

Witnessed by: _____

Witness Name (printed): _____

HESSEL SPREY

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

Page 8 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Pierreux, Peter Zagwijn, Hessel Sprey,
Cornelius A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maes

Legal Name of Inventor: Marinus Josephus de Blank

Signature: _____

Date: 11/06/2013

Witnessed by: _____

Witness Name (printed): _____

Cornelius A. van der Jeugd

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

Page 9 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Pierreux, Peter Zagwijn, Hessel Sprey,
Cornelius A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maes

Legal Name of Inventor: Robin Roelofs

Signature: _____

Date: _____

Witnessed by: _____

Witness Name (printed): _____

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

Page 10 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Pierreux, Peter Zagwijn, Hessel Sprey,
Cornelius A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maes

Legal Name of inventor: Qi Xie

Signature: Qi Xie Date: 11/06/2013

Witnessed by: [Signature]

Witness Name (printed): Robin Roelofs

COMBINED DECLARATION & ASSIGNMENT (37 CFR 1.63(e))

Application Data Sheet filed previously or concurrently

Docket No.: ASMINT.122AUS

Page 11 of 11

Title: CYCLIC ALUMINUM NITRIDE DEPOSITION IN A BATCH REACTOR

Inventors: Werner Knaepen, Bert Jongbloed, Dieter Pierreux, Peter Zagwijn, Hessel Sprey,
Cornelius A. van der Jeugd, Marinus Josephus de Blank, Robin Roelofs, Qi Xie,
Jan Willem Maes

Legal Name of Inventor: Jan Willem Maes

Signature: _____

Date: June 12, 2013

Witnessed by: _____

Witness Name (printed): _____

B. JONGBLOED

15542728
060513