

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3804362

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EDWARD N. COPPOLA	01/27/2016
SANJAY NANA	01/27/2016
CHARLES RED JR.	01/27/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	APPLIED RESEARCH ASSOCIATES, INC.
<b>Street Address:</b>	4300 SAN MATEO BLVD. N.E.
<b>Internal Address:</b>	SUITE A-220
<b>City:</b>	ALBUQUERQUE
<b>State/Country:</b>	NEW MEXICO
<b>Postal Code:</b>	87110
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15007658
<b>PCT Number:</b>	US2016015090
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(412)471-4094
<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>	412-471-8815
<b>Email:</b>	assignments@webblaw.com
<b>Correspondent Name:</b>	THE WEBB LAW FIRM
<b>Address Line 1:</b>	ONE GATEWAY CENTER
<b>Address Line 2:</b>	420 FT. DUQUESNE BLVD., STE 1200
<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15222
<b>ATTORNEY DOCKET NUMBER:</b>	6999-159860
<b>NAME OF SUBMITTER:</b>	JULIE W. MEDER, REG. NO. 36,216
<b>SIGNATURE:</b>	/Julie W. Meder/
<b>DATE SIGNED:</b>	03/29/2016
<b>Total Attachments: 4</b>	

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**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

Edward N. Coppola  
Sanjay Nana  
Charles Red Jr.

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) January 27, 2016

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: Applied Research Associates, Inc.

Internal Address: Suite A-220

Street Address: 4300 San Mateo Blvd. N.E.

City: Albuquerque

State: New Mexico

Country: US Zip: 87110

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

☐ This document serves as an Oath/Declaration (37 CFR 1.63).  
A. Patent Application No.(s)  
B. Patent No.(s)

15/007,658  
PCT/US2016/015090

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Julie W. Meder

Internal Address: The Webb Law Firm

Street Address: One Gateway Center  
420 Ft. Duquesne Blvd., Ste 1200

City: Pittsburgh

State: PA Zip: 15222

Phone Number: 412-471-8815

Docket Number: 6999 - 159860

Email Address: assignments@webblaw.com

**6. Total number of applications and patents involved: 2**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$0**

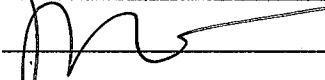
- ☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

  
Signature

March 29, 2016

Date

Julie W. Meder, Reg. No. 36,216

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

**ASSIGNMENT**

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

**HYDROTHERMAL CLEANUP PROCESS**

(Invention Title)

☐ for which a United States Provisional Patent application was filed on \_\_\_\_\_ (mm/dd/yyyy) and bears Application Number \_\_\_\_\_ (hereinafter "said application").

AND/OR

☐ for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

☒ for which an application for a United States Patent was filed on 01/27/2016 (mm/dd/yyyy) and bears Application Number 15/007,658 (hereinafter "said application").

AND/OR

☒ for which an international patent application was filed under the Patent Cooperation Treaty on 01/27/2016 (mm/dd/yyyy), bearing Application No. PCT/US2016/015090 (hereinafter "said application").

AND, WHEREAS, Applied Research Associates, Inc., a corporation of New Mexico, having a place of business at 4300 San Mateo Blvd N.E., Suite A-220, Albuquerque, NM, 87110, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

DOMESTIC  
Application No. 15/007,658

Attorney Docket No. 6999-159860

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:

Edward N. Coppola

RESIDENCE:

Panama City, FL

EXECUTED this 27 day of JAN, 2016

Edward N. Coppola  
SIGNATURE

STATE of Florida

COUNTY of Bay

On this 27<sup>th</sup> day of January, in the year 2016, before me Lisa L. Kirk,  
DAY MONTH YEAR NOTARY PUBLIC NAME

a notary public, personally appeared

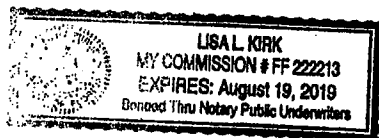
Edward N. Coppola

NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument, and acknowledged he/she executed the same.

I certify under Penalty of Perjury under the laws of the State of Florida  
that the foregoing paragraph is true and correct.

Witness my hand and official seal.



Lisa L. Kirk  
NOTARY PUBLIC

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☒ Checked Box indicates \_\_\_ additional page(s) for inventor signatures.

DOMESTIC

Application No. \_\_\_\_\_

Attorney Docket No. 6999-159860

2. FULL NAME OF ASSIGNOR:

RESIDENCE:

Sanjay Nana

Panama City, FL

EXECUTED this 27 day of JANUARY, 2016

[Signature]

SIGNATURE

STATE of Florida

COUNTY of Bay

On this 27<sup>th</sup> day of January, in the year 2016, before me Lisa L. Kirk,  
DAY MONTH YEAR NOTARY PUBLIC NAME

a notary public, personally appeared Sanjay Nana,  
NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument,  
and acknowledged he/she executed the same.

I certify under Penalty of Perjury under the laws of the State of Florida  
that the foregoing paragraph is true and correct.

Witness my hand and official seal.



[Signature]  
NOTARY PUBLIC

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3. FULL NAME OF ASSIGNOR:

RESIDENCE:

Charles Red Jr.

Youngstown, FL

EXECUTED this 27<sup>th</sup> day of January, 2016

[Signature]

SIGNATURE

STATE of Florida

COUNTY of Bay

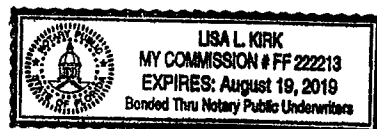
On this 27<sup>th</sup> day of January, in the year 2016, before me Lisa L. Kirk,  
DAY MONTH YEAR NOTARY PUBLIC NAME

a notary public, personally appeared Charles Red Jr.,  
NAME OF DOCUMENT SIGNER

proved on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument,  
and acknowledged he/she executed the same.

I certify under Penalty of Perjury under the laws of the State of Florida  
that the foregoing paragraph is true and correct.

Witness my hand and official seal.



[Signature]  
NOTARY PUBLIC

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