#### 504384300 05/25/2017

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4430996

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
EMANUEL MICHAEL SACHS	03/30/2017
MARK GARDNER GIBSON	03/28/2017
PAUL A. HOISINGTON	03/30/2017
RICHARD REMO FONTANA	03/28/2017

#### **RECEIVING PARTY DATA**

Name:	DESKTOP METAL, INC.
Street Address:	63 3RD AVENUE
City:	BURLINGTON
State/Country:	MASSACHUSETTS
Postal Code:	01803

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15451260

#### **CORRESPONDENCE DATA**

Fax Number: (781)453-9993

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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**Correspondent Name:** STRATEGIC PATENTS, P.C.

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ATTORNEY DOCKET NUMBER:	DESK-0006-P01	
NAME OF SUBMITTER:	ROBERT A. MAZZARESE	
SIGNATURE:	/Robert Mazzarese/	
DATE SIGNED:	05/25/2017	

#### **Total Attachments: 16**

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Serial No.: PCT/US17/20800 Filing Date: March 3, 2017

## United States Patent Application COMBINED DECLARATION AND ASSIGNMENT

### Title of Invention: MAGNETOHYDRODYNAMIC DEPOSITION OF METAL IN MANUFACTURING

#### DECLARATION

As a below named and undersigned inventor, I hereby declare that:

- (a) This declaration is directed to United States application or PCT international application number PCT/US17/20800 filed on March 3, 2017.
  - (b) The above-identified application was made or authorized to be made by me.
- (c) I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims, and I acknowledge the duty to disclose all information which is material to the patentability of this application as defined in 37 C.F.R. § 1.56 (attached hereto).

Serial No.: PCT/US17/20800 Filing Date: March 3, 2017

#### ASSIGNMENT

WHEREAS, the undersigned inventor ("Inventor") has developed certain inventions ("Inventions") described in the above U.S. patent application, and has full right to convey his or her entire interest, both legal and equitable, in and to said Inventions free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, Desktop Metal, Inc. ("ASSIGNEE"), an entity organized and existing under the laws of the state of Delaware, and having a place of business at 63 3rd Avenue, Burlington, MA, 01803, is desirous of acquiring the entire right, title, and interest in and to the Inventions and any and all patents to be obtained therefore;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the Inventor, the Inventor hereby sells, assigns and transfers unto the ASSIGNEE, its successors and assigns, his or her entire right, title and interest in and to the Inventions as described in the above application and all applications resulting therefrom, including any and all conversions, divisions, continuations, continuations-in-part, substitute applications, and reissues or extensions thereof; and all resulting patents in any jurisdiction worldwide; along with all rights of priority and rights to sue for past infringement;

AND the Inventor hereby authorizes and requests the issuing authority to issue any and all patents issuing from any of the forgoing to the ASSIGNEE or its successors and assigns;

AND the Inventor agrees that ASSIGNEE's counsel, Strategic Patents, P.C. having Patent Office Customer Number 43520, shall hereinafter act on behalf of the ASSIGNEE with respect to the Inventions;

AND the Inventor further agrees, without any further payment or compensation by the ASSIGNEE or its successors and assigns, to communicate to the ASSIGNEE, its representatives or agents or its successors and assigns, any facts relating to the Inventions including evidence for interference purposes or for other legal proceedings whenever requested; to testify in any interference or other legal proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to generally do everything possible to aid the ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for the Inventions in this or any foreign country.

The Inventor hereby authorizes the attorneys and agents associated with Patent Office Customer Number 43520 to insert hereon any further information necessary or desirable for recordation of this document.

Attorney Docket No.: DESK-0006-PWO Combined Declaration and Assignment

Page 3 of 4

Serial No.: PCT/US17/20800 Filing Date: March 3, 2017

I accept and agree to the terms of the ASSIGNMENT above.

I hereby acknowledge that any willful false statement made in the DECLARATION above is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Full Legal Name of inventor: Paul A. Hoisington

Residence: Hanover, NH

Date: March 30, 2017

Attorney Docket No.: DESK-0006-PWO Page 4 of 4
Serial No.: PCT/US17/20800 Combined Declaration and Assignment

Serial No.: PCT/US17/20800 Filing Date: March 3, 2017

#### § 1.56 Duty to disclose information material to patentability.

- A patent by its very nature is affected with a public interest. The public interest is best served, and the (a) most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:
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- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application;
  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, the applicant, an assignee, or anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

Page 1 of 4 Combined Declaration and Assignment

Attorney Docket No.: DESK-0006-PWO

Serial No.: PCT/US17/20800 Filing Date: March 3, 2017

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#### DECLARATION

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Attorney Docket No.: DESK-0006-PWO Page 2 of 4
Serial No.: PCT/US17/20800 Combined Declaration and Assignment

Filing Date: March 3, 2017

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AND the Inventor further agrees, without any further payment or compensation by the ASSIGNEE or its successors and assigns, to communicate to the ASSIGNEE, its representatives or agents or its successors and assigns, any facts relating to the Inventions including evidence for interference purposes or for other legal proceedings whenever requested; to testify in any interference or other legal proceedings, whenever requested; to execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and to generally do everything possible to aid the ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for the Inventions in this or any foreign country.

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Serial No.: PCT/US17/20800 Filing Date: March 3, 2017

Page 3 of 4 Combined Declaration and Assignment

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Full Legal Name of inventor: Mark Gardner Gibson

Mark Gardner Gibson

Residence: Carlisle, MA

Signature: 4/

Date: 28 Morch 2017

Page 4 of 4 Combined Declaration and Assignment

Attorney Docket No.: DESK-0006-PWO

Serial No.: PCT/US17/20800 Filing Date: March 3, 2017

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Serial No.: PCT/US17/20800 Filing Date: March 3, 2017

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Serial No.: PCT/US17/20800 Filing Date: March 3, 2017 Page 3 of 4 Combined Declaration and Assignment

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Full Legal Name of inventor: Richard Remo Fontana

Residence: Cape Elizabeth, ME

ignature: Richard Reno For Andre: 3/28/2017

Richard Remo Fontana

Page 4 of 4 Combined Declaration and Assignment

Attorney Docket No.: DESK-0006-PWO

Serial No.: PCT/US17/20800 Filing Date: March 3, 2017

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Full Legal Name of inventor: Emanuel Michael Sachs

Residence: Newton, MA

Signature:

Emanuel Michael Sachs

PATENT

**REEL: 042507 FRAME: 0039** 

Attorney Docket No.: DESK-0006-PWO Page 4 of 4
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- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - (1) Each inventor named in the application;
  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, the applicant, an assignee, or anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.
- (e) In any continuation-in-part application, the duty under this section includes the duty to disclose to the Office all information known to the person to be material to patentability, as defined in paragraph (b) of this section, which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

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