

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7233678

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST
CONVEYING PARTY DATA	
Name	Execution Date
POSTPROCESS TECHNOLOGIES, INC.	03/18/2022
RECEIVING PARTY DATA	
Name:	GRASSHOPPER BANK, N.A.
Street Address:	915 BROADWAY, 7TH FLOOR
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10010
PROPERTY NUMBERS Total: 34	
Property Type	Number
Patent Number:	11110661
Patent Number:	11141922
Patent Number:	10850449
Patent Number:	10737440
Patent Number:	11225023
Patent Number:	10112344
Patent Number:	10213959
Application Number:	17472599
Application Number:	17458115
Application Number:	16340647
Application Number:	16232982
Application Number:	16209778
Application Number:	17256194
Application Number:	17088174
Application Number:	17038611
Application Number:	16931338
Application Number:	16390988
Application Number:	15638898
Application Number:	17620668
Application Number:	17625723

Property Type	Number
Application Number:	17633031
Application Number:	17545436
Application Number:	15597069
Application Number:	63177550
Application Number:	63216036
Application Number:	63180315
Application Number:	63217905
PCT Number:	US2021016719
PCT Number:	US2116650
PCT Number:	US2021027193
PCT Number:	US2021024062
PCT Number:	US2021056847
PCT Number:	US2021063330
PCT Number:	US2022015606

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 7033826485

Email: DHall@vlpawgroup.com

Correspondent Name: DAVIS HALL

Address Line 1: 12703 HITCHCOCK COURT

Address Line 4: RESTON, VIRGINIA 20191

ATTORNEY DOCKET NUMBER:	GRASSHOPPER-POSTPROCESS
NAME OF SUBMITTER:	DAVIS HALL
SIGNATURE:	/DavisHall/
DATE SIGNED:	03/21/2022

Total Attachments: 9

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement ("Agreement") is entered into as of March 18, 2022 by and between GRASSHOPPER BANK, N.A. ("Bank") and POSTPROCESS TECHNOLOGIES, INC. ("Grantor").

RECITALS

A. Bank has agreed to make certain advances of money and to extend certain financial accommodation to Grantor (the "Loans") in the amounts and manner set forth in that certain Loan and Security Agreement by and between Bank and Grantor dated March 18, 2022 (as the same may be amended, modified or supplemented from time to time, the "Loan Agreement"; capitalized terms used herein are used as defined in the Loan Agreement). Bank is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks, Patents, and Mask Works (as each term is described below) to secure the obligations of Grantor under the Loan Agreement.

B. Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor's right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement, Grantor hereby represents, warrants, covenants and agrees as follows:

AGREEMENT

1. Grant of Security Interest. To secure its obligations under the Loan Agreement, Grantor grants and pledges to Bank a security interest in all of Grantor's right, title and interest in, to and under its intellectual property (all of which shall collectively be called the "Intellectual Property Collateral"), including, without limitation, the following:

(a) Any and all copyright rights, copyright applications, copyright registrations and like protections in each work of authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) Any and all trade secrets, and any and all intellectual property rights in computer software and computer software products now or hereafter existing, created, acquired or held;

(c) Any and all design rights that may be available to Grantor now or hereafter existing, created, acquired or held;

(d) All patents, patent applications and like protections including, without limitation, improvements, divisions, continuations, renewals, reissues, extensions and

continuations-in-part of the same, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(e) Any trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(f) All mask works or similar rights available for the protection of semiconductor chips, now owned or hereafter acquired, including, without limitation those set forth on Exhibit D attached hereto (collectively, the "Mask Works");

(g) Any and all claims for damages by way of past, present and future infringements of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) All licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) All amendments, extensions, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

2. Recordation. Grantor authorizes the Commissioner for Patents, the Commissioner for Trademarks and the Register of Copyrights and any other government officials to record and register this Agreement upon request by Bank.

Grantor hereby authorizes Bank to (a) modify this Agreement unilaterally by amending the exhibits to this Agreement to include any Intellectual Property Collateral which Grantor obtains subsequent to the date of this Agreement and (b) file a duplicate original of this Agreement containing amended exhibits reflecting such new Intellectual Property Collateral.

3. Loan Documents. This Agreement has been entered into pursuant to and in conjunction with the Loan Agreement, which is hereby incorporated by reference. The provisions of the Loan Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of Bank with respect to the Intellectual Property Collateral are as provided by the Loan Agreement and related documents, and nothing in this Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or in electronic (i.e., "pdf" or "tif" format) shall be effective as delivery of a manually executed counterpart of this Agreement.

5. Successors and Assigns. This Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Governing Law. This Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of New York, without giving effect to any choice or conflict of law provision or rule (whether of the State of New York or any other jurisdiction).

[Signature page follows.]

IN WITNESS WHEREOF, the parties have caused this Intellectual Property Security Agreement to be duly executed by its officers thereunto duly authorized as of the first date written above.

GRANTOR:

POSTPROCESS TECHNOLOGIES, INC.

DocuSigned by:

James L. Kent

CF9FC98B31B041A...

By: James L. Kent

Title: Chief Financial Officer

BANK:

GRASSHOPPER BANK, N.A.

DocuSigned by:

Barbara Fleming

B7C7BA4918824A9...

By: Barbara Fleming

Title: Co-Head of Tech Banking

EXHIBIT A

Copyrights

<u>Description</u>	Registration/ Application <u>Number</u>	Registration/ Application <u>Date</u>
NONE		

EXHIBIT B

Patents

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
System And Method Of Manufacturing An Additively Manufactured Object	17472599	09/11/2021
Self-Modifying Apparatus For Rotational Support Structure Removal In 3D Printed Parts Using Calibrated Resonant Frequency	17458115	08/26/2021
Self-Modifying Process For Rotational Support Structure Removal In 3D Printed Parts Using Calibrated Resonant Frequency	11110661 16348276	09/07/2021 11/15/2017
System And Method Of Manufacturing An Additively Manufactured Object	11141922 16298550	10/12/2021 03/11/2019
Self-Modifying Agitation Process And Apparatus For Support Removal In Additive Manufacturing And 3D Printed Material	16340647	10/10/2017
Method And Apparatus Of Chemical Detection To Prevent Process Degradation	16232982	12/26/2018
Method And Apparatus For Support Removal Using Directed Atomized And Semi-Atomized Fluid	10850449 16232955	12/01/2020 12/26/2018
Method And Apparatus For Surface Finishing And Support Material Removal (Deci Duo)	16209778	12/04/2018
Compositions For Removing Support Material From A 3D-Printed Object And Methods Of Making Thereof	17256194	06/26/2019
Method And Apparatus For Support Removal Using Directed Atomized And Semi-Atomized Fluid	17088174	11/03/2020
Method And Apparatus For Support Removal Using Directed Atomized And Semi-Atomized Fluid	17038611	09/30/2020
Apparatus And Method For Support Removal	16931338	07/16/2020
Apparatus and method for support removal	10737440 16519237	08/11/2020 07/23/2019
Finishing Mediums And Finishing Suspensions	16390988	04/22/2019

SURFACE EQUALIZATION APPARATUS	15638898	06/30/2017
Machine for removing substrate material, for washing, and for drying parts produced by a 3-D printer	11225023 15984013 17620668 17625723 17633031	01/18/2022 05/18/2018
Machine for removing substrate material, for washing, and for drying parts produced by a 3-D printer	10112344 15184709	10/30/2018 06/16/2016
Method for removing substrate material, for washing, and for drying parts produced by a 3-D printer	10213959 15983775 17545436	02/26/2019 05/18/2018
Machine for Removing Substrate Material from Parts Produced by a 3-D Printer	15597069	05/16/2017
	PCT/US2021/016719	
	PCT/US21/16650	
	PCT/US2021/027193	
	PCT/US2021/024062	
	PCT/US2021/056847	
	PCT/US2021/063330	
	PCT/US2022/015606	
	63/177,550	
	63/216,036	
	63/180,315	
	63/217,905	

EXHIBIT C

Trademarks

<u>Description</u>	<u>Registration/ Application Number</u>	<u>Registration/ Application Date</u>
POSTPROCESS	90455611	01/08/2021
CONNECT3D	87924002	05/16/2018
	6240130	01/05/2021
PP	87930160	05/21/2018
	5810397	07/23/2019
AUTOMAT3D	87926070	05/17/2018
	5797326	07/09/2019
POSTPROCESS	87925950	05/17/2018
	5789957	06/25/2019

EXHIBIT D

Mask Works

	<u>Description</u>	Registration/ Application <u>Number</u>	Registration/ Application <u>Date</u>
NONE			