

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT8004003

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Execution Date
SHUTTERFLY, LLC	06/09/2023

**RECEIVING PARTY DATA**

<b>Name:</b>	WILMINGTON TRUST, NATIONAL ASSOCIATION, AS COLLATERAL AGENT
<b>Street Address:</b>	50 SOUTH SIXTH STREET
<b>City:</b>	MINNEAPOLIS
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55402

**PROPERTY NUMBERS Total: 41**

Property Type	Number
Patent Number:	11263449
Patent Number:	11651138
Patent Number:	11405539
Patent Number:	10956713
Patent Number:	11308313
Patent Number:	11042075
Patent Number:	11648628
Patent Number:	D905151
Patent Number:	11039119
Patent Number:	11244487
Patent Number:	11138910
Patent Number:	11308360
Patent Number:	11057576
Patent Number:	11651406
Patent Number:	11151627
Patent Number:	11443469
Patent Number:	11049272
Patent Number:	11423558
Patent Number:	11389904
Patent Number:	10891522

PATENT

Property Type	Number
Patent Number:	10504169
Application Number:	17581770
Application Number:	17393118
Application Number:	17313853
Application Number:	17690516
Application Number:	18051241
Application Number:	16692212
Application Number:	17070729
Application Number:	17171914
Application Number:	16985610
Application Number:	16995226
Application Number:	29746210
Application Number:	17466878
Application Number:	17342199
Application Number:	17483425
Application Number:	17818860
Application Number:	17869574
Application Number:	17070756
Application Number:	18296335
Application Number:	18310321
Application Number:	29876128

**CORRESPONDENCE DATA**

**Fax Number:** (202)408-3141

*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:** 202-408-3121 X62348

**Email:** jean.paterson@cscglobal.com

**Correspondent Name:** CSC

**Address Line 1:** 1090 VERMONT AVENUE NW, SUITE 430

**Address Line 4:** WASHINGTON, D.C. 20005

<b>NAME OF SUBMITTER:</b>	JEAN PATERSON
<b>SIGNATURE:</b>	/jep/
<b>DATE SIGNED:</b>	06/13/2023

**Total Attachments: 6**

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**Supplemental Notice of Grant of Security Interest in Patents (First Lien)**

SUPPLEMENTAL NOTICE OF GRANT OF SECURITY INTEREST IN PATENTS (FIRST LIEN), dated as of June 9, 2023 (this “Notice”), made by Shutterfly, LLC, a Delaware limited liability company (the “Pledgor”), in favor of WILMINGTON TRUST, NATIONAL ASSOCIATION, as Collateral Agent (as defined below).

Reference is made to the Amended and Restated Collateral Agreement (First Lien), dated as of June 9, 2023 (as amended, restated, supplemented or otherwise modified from time to time, the “Collateral Agreement”), among Shutterfly, LLC (the “Company”), Photo Holdings, LLC (“Photo Holdings”), each subsidiary of Photo Holdings identified therein, Wilmington Trust, National Association, as collateral agent (together with its successors and assigns in such capacity, the “Collateral Agent”) for the Secured Parties (as defined therein), and Barclays Bank PLC, as Applicable Authorized Representative (as defined therein). The parties hereto agree as follows:

SECTION 1. *Terms.* Capitalized terms used in this Notice and not otherwise defined herein have the meanings specified in the Collateral Agreement. The rules of construction specified in Section 1.01(b) of the Collateral Agreement also apply to this Notice.

SECTION 2. *Grant of Security Interest.* As security for the payment or performance when due (whether at the stated maturity, by acceleration or otherwise), as the case may be, in full of the Secured Obligations, the Pledgor pursuant to the Collateral Agreement did, and hereby does, pledge to the Collateral Agent, its successors and permitted assigns, for the benefit of the Secured Parties, and hereby grants to the Collateral Agent, its successors and permitted assigns, for the benefit of the Secured Parties, a security interest in all of such Pledgor’s right, title and interest in or to any and all of the following assets and properties now owned or at any time hereafter acquired by such Pledgor or in which such Pledgor now has or at any time in the future may acquire any right, title or interest (collectively, but excluding with respect to any Series of Secured Obligations, any Excluded Property, the “Patent Collateral”):

all Patents of the United States of America, including those listed on Schedule I.

SECTION 3. *Collateral Agreement.* The security interests granted to the Collateral Agent herein are granted in furtherance, and not in limitation of, the security interests granted to the Collateral Agent pursuant to the Collateral Agreement. Each Pledgor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the Patent Collateral are more fully set forth in the Collateral Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Notice and the Collateral Agreement, the terms of the Collateral Agreement shall govern.

SECTION 4. *Counterparts.* This Notice may be executed in two or more counterparts, each of which shall constitute an original but all of which when taken together

shall constitute but one contract. Delivery of an executed counterpart to this Notice by facsimile or other electronic transmission shall be as effective as delivery of a manually signed original.

SECTION 5. *Governing Law.* THIS NOTICE AND ANY CLAIMS, CONTROVERSY, DISPUTE OR CAUSES OF ACTION (WHETHER IN CONTRACT OR TORT OR OTHERWISE) BASED UPON, ARISING OUT OF OR RELATING TO THIS NOTICE AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES UNDER THIS NOTICE SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAWS OF THE STATE OF NEW YORK, WITHOUT REGARD TO ANY PRINCIPLE OF CONFLICTS OF LAW THAT COULD REQUIRE THE APPLICATION OF ANY OTHER LAW.

[Signature Pages Follow]

IN WITNESS WHEREOF, the parties hereto have duly executed this  
Notice as of the day and year first above written.

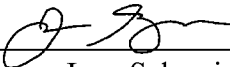
SHUTTERFLY, LLC

By: Mike Eklund

Name: Michael Eklund

Title: Senior Vice President, Chief Financial  
Officer

WILMINGTON TRUST, NATIONAL  
ASSOCIATION, as Collateral Agent

By:  \_\_\_\_\_  
Name: Jane Schweiger  
Title: Vice President

Schedule I  
to Notice of Grant of Security Interest (First Lien) in Patents

Patents Owned by Shutterfly, LLC

*U.S. Patent Registrations*

<u>Title</u>	<u>Patent No.</u>	<u>Issue Date</u>
Automated communication design construction system	11263449	01-Mar-2022
Automated communication design construction system	11651138	16-May-2023
Background replacement system and methods	11405539	02-Aug-2022
High recall additive pattern recognition for image and other applications	10956713	23-Mar-2021
Hybrid deep learning method for recognizing facial expressions	11308313	19-Apr-2022
Lighting system for photography station	11042075	22-Jun-2021
Method for matching and tracking workpieces in laser etching operation	11648628	16-May-2023
Photographic lighting apparatus	D905151	15-Dec-2020
Photography system with depth and position detection	11039119	15-Jun-2021
Proactive creation of photo products	11244487	08-Feb-2022
Repositionable display panel	11138910	05-Oct-2021
Support vector machine prediction system	11308360	19-Apr-2022
System and method for automated detection and replacement of photographic scenes	11057576	06-Jul-2021
System and method for automatically generating a new portion of a photo product design based on user input portion	11651406	16-May-2023
System and method for customizing photo product designs with minimal and intuitive user inputs	11151627	19-Oct-2021
System and method for reducing similar photos for display and product design	11443469	13-Sep-2022
System for assembling composite group image from individual subject images	11049272	29-Jun-2021
System for assembling composite group image from individual subject images	11423558	23-Aug-2022
System for matching and tracking workpieces in laser etching operation	11389904	19-Jul-2022
System for support vector machine prediction	10891522	12-Jan-2021
Background replacement system and methods	11405539	02-Aug-2022
Photo product engine powered by blog content	10504169	10-Dec-2019

*U.S. Patent Applications*

<u>Title</u>	<u>Application No.</u>	<u>Filing Date</u>
Automated communication design construction system	17581770	21-Jan-2022
Automated event detection and photo product creation	17393118	03-Aug-2021
Composite group image	17313853	06-May-2021
Hybrid deep learning method for recognizing facial expressions	17690516	09-Mar-2022
Marking system for decorating workpieces	18051241	31-Oct-2022
Photo product engine powered by blog content	16692212	22-Nov-2019
Photography session assistant	17070729	14-Oct-2020



Photography session assistant	17171914	09-Feb-2021
Proactive creation of image-based products	16985610	05-Aug-2020
Proactive creation of personalized products	16995226	17-Aug-2020
Repositionable display panel	29/746210	12-Aug-2020
Repositionable display panel	17466878	03-Sep-2021
System and method for automated detection and replacement of photographic scenes	17342199	08-Jun-2021
System and method for customizing photo product designs with minimal and intuitive user inputs	17483425	23-Sep-2021
System and method for reducing similar photos for display and product design	17818860	10-Aug-2022
System for assembling composite group image from individual subject images	17869574	20-Jul-2022
System for background and floor replacement in full-length subject images	17070756	14-Oct-2020
System and method for automatically generating a new portion of a photo product design based on user input portion	18296335	05-Apr-2023
Automated event detection and photo product creation	18310321	01 May-2023
Display panel	29876128	16-May-2023