

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PAT180359

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
	Name	Execution Date
	ELECTRONICS FOR IMAGING, INC.	03/07/2024
RECEIVING PARTY DATA		
Company Name:	ROYAL BANK OF CANADA	
Street Address:	20 KING STREET WEST, 4th FLOOR	
City:	TORONTO	
State/Country:	CANADA	
Postal Code:	M5H 1C4	
PROPERTY NUMBERS Total: 55		
Property Type	Number	
Patent Number:	11660892	
Patent Number:	8121338	
Patent Number:	10836195	
Patent Number:	10974517	
Patent Number:	10532577	
Patent Number:	10913294	
Patent Number:	10913285	
Patent Number:	10846574	
Patent Number:	11219928	
Patent Number:	11167574	
Patent Number:	11040528	
Patent Number:	10974528	
Patent Number:	11468554	
Patent Number:	11141988	
Patent Number:	10953665	
Patent Number:	11203212	
Patent Number:	11407238	
Patent Number:	11525707	
Patent Number:	11106953	
Patent Number:	11590771	

PATENT

Property Type	Number
Patent Number:	11173724
Patent Number:	11164053
Patent Number:	11633972
Patent Number:	11305563
Patent Number:	11400727
Patent Number:	11752784
Patent Number:	11548306
Patent Number:	11691437
Patent Number:	11691446
Application Number:	17227648
Patent Number:	11691413
Patent Number:	11529800
Patent Number:	11685157
Application Number:	17496225
Patent Number:	11366992
Patent Number:	11667133
Application Number:	17501691
Application Number:	17523723
Application Number:	17535362
Application Number:	17682148
Application Number:	17689080
Application Number:	17812944
Patent Number:	11559993
Application Number:	17938730
Application Number:	18056696
Application Number:	18056702
Application Number:	18175140
Application Number:	18185257
Application Number:	18306091
Application Number:	18311863
Application Number:	18320065
Application Number:	18320107
Application Number:	18321947
Application Number:	18342633
Application Number:	18360719

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: 9498527792
Email: ipprosecution@orrick.com,amosley@orrick.com
Correspondent Name: Asheli Mosley-Cho
Address Line 1: 2050 Main Street, Suite 1100
Address Line 4: Irvine, CALIFORNIA 92614-8255

ATTORNEY DOCKET NUMBER:	5533.84
NAME OF SUBMITTER:	Asheli Mosley
SIGNATURE:	Asheli Mosley
DATE SIGNED:	03/08/2024

Total Attachments: 7
source=EFI - Patent Security Agreement (Electronics For Imaging, Inc.) [Executed] 4131-8115-9759 1#page1.tif
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source=EFI - Patent Security Agreement (Electronics For Imaging, Inc.) [Executed] 4131-8115-9759 1#page6.tif
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GRANT OF SECURITY INTEREST IN PATENT RIGHTS

This GRANT OF SECURITY INTEREST IN PATENT RIGHTS (this “Agreement”), dated as of March 7, 2024, is made by ELECTRONICS FOR IMAGING, INC., a Delaware corporation (the “Grantor”), in favor of ROYAL BANK OF CANADA, as collateral agent (in such capacity, the “Agent”) in connection with that certain First Lien Credit Agreement, dated as of July 23, 2019 (as amended, restated, supplemented or otherwise modified from time to time, the “Credit Agreement”), among EAST PRIVATE HOLDINGS II, LLC, a Delaware limited liability company (“Holdings”), the Grantor, the lending institutions from time to time parties thereto (each a “Lender” and, collectively, the “Lenders”) and ROYAL BANK OF CANADA, as collateral agent (in such capacity, together with its successors and assigns, the “Collateral Agent”) for the benefit of the Secured Parties.

WITNESSETH:

WHEREAS, pursuant to the Credit Agreement, the Lenders have severally agreed to make Loans to the Borrower and the Letter of Credit Issuers have agreed to issue Letters of Credit, in each case upon the terms and subject to the conditions set forth therein;

WHEREAS, in connection with the Credit Agreement, each Grantor and any Subsidiaries that become a party thereto, have executed and delivered a First Lien Security Agreement, dated as of July 23, 2019 in favor of the Collateral Agent (together with all amendments, restatements, supplements and modifications, if any, from time to time thereafter made thereto, the “Security Agreement”);

WHEREAS, pursuant to the Security Agreement, Grantor has granted to the Collateral Agent, for the benefit of the Secured Parties, a lien on and security interest in, all of its right, title and interest in, to and under certain Intellectual Property, including the Patents, that is not Excluded Property; and

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in order to induce the Lenders to make loans to the Borrower and the Letter of Credit Issuers to make their respective Extensions of Credit under the Credit Agreement and to induce one or more Cash Management Banks or Hedge Banks to enter into Secured Cash Management Agreements with Holdings and/or its Restricted Subsidiaries or Secured Hedge Agreements with the Borrower and/or its Restricted Subsidiaries, Grantor agrees, for the benefit of the Collateral Agent and the Secured Parties, as follows:

1. Definitions. Unless otherwise defined herein or the context otherwise requires, terms used in this Agreement, including its preamble and recitals, have the meanings provided or provided by reference in the Credit Agreement and the Security Agreement.

2. Grant of Security Interest. Grantor hereby grants a lien on and security interest in all of Grantor’s right, title and interest in, to and under the Patents that are not Excluded Property (including, without limitation, those items listed on Schedule A hereto), including the right to receive all Proceeds therefrom (collectively, the “Collateral”), to the Collateral Agent for the benefit of the Secured Parties as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of the Obligations.

3. Purpose. This Agreement has been executed and delivered by Grantor for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office. The security interest granted hereby has been granted to the Secured Parties in connection with the

Security Agreement and is expressly subject to the terms and conditions thereof. The Security Agreement (and all rights and remedies of the Secured Parties thereunder) shall remain in full force and effect in accordance with its terms.

4. Acknowledgment. Grantor does hereby further acknowledge and affirm that the rights and remedies of the Secured Parties with respect to the security interest in the Collateral granted hereby are more fully set forth in the Credit Agreement and the Security Agreement, the terms and provisions of which (including the remedies provided for therein) are incorporated by reference herein as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the terms of the Security Agreement, the terms of the Security Agreement shall govern. In the event of any conflict between the terms of this Agreement and the terms of the Credit Agreement, the terms of the Credit Agreement shall govern.

5. Counterparts. This Agreement may be executed in counterparts, each of which will be deemed an original, but all of which together constitute one and the same original.

6. GOVERNING LAW: THIS AGREEMENT SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAWS OF THE STATE OF NEW YORK.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be duly executed and delivered by their respective officers thereunto duly authorized as of the day and year first above written.

ELECTRONICS FOR IMAGING, INC.,
as the Grantor

By: 
Name: Benjamin Mackenzie-Grieve
Title: Chief Financial Officer

ROYAL BANK OF CANADA,
as the Collateral Agent

By: Casey Clark
Name: Casey Clark
Title: Associate Director

SCHEDULE A

U.S. Patent Registrations and Applications

Pat./ Pub./ Appl No.	Issue / Pub. / App. Date	Title	Current Owner
11660892 16/421287	05-30-2023 05-23-2019	SYSTEMS AND METHODS FOR DETERMINING PRINTING CONDITIONS BASED ON SAMPLES OF IMAGES PRINTED BY SHUTTLE-BASED PRINTERS	ELECTRONICS FOR IMAGING, INC.
8121338 10886775	2012-02-21 2004-07-07	PROCESS FOR GENERATING IMAGES WITH REALISTIC TEXT INSERTION	ELECTRONICS FOR IMAGING, INC.
10836195 16154525	2020-11-17 2018-10-08	INKJET PROCESS FOR THREE-DIMENSIONAL RELIEF ON TILES	ELECTRONICS FOR IMAGING, INC.
10974517 16162077	2021-04-13 2018-10-16	HIGH STABILITY INK DELIVERY SYSTEMS, AND ASSOCIATED PRINT SYSTEMS AND METHODS	ELECTRONICS FOR IMAGING, INC.
10532577 16182795	2020-01-14 2018-11-07	UNITARY INK TANK FOR PRINTER SYSTEM	ELECTRONICS FOR IMAGING, INC.
10913294 16411982	2021-02-09 2019-05-14	PRINTING SYSTEMS AND ASSOCIATED STRUCTURES AND METHODS HAVING INK DROP DEFLECTION COMPENSATION	ELECTRONICS FOR IMAGING, INC.
10913285 16460426	2021-02-09 2019-07-02	MULTI-COLOR MULTI-SPEED PRINTING APPARATUS WITH CIRCULATION	ELECTRONICS FOR IMAGING, INC.
10846574 16510572	2020-11-24 2019-07-12	VARIABLE SMOOTHING IN PRINTING	ELECTRONICS FOR IMAGING, INC.
11219928 16526802	2022-01-11 2019-07-30	SHAPE PACKING TECHNIQUE	ELECTRONICS FOR IMAGING, INC.
11167574 16590233	2021-11-09 2019-10-01	STEP COMPENSATING CARRIAGE PRINTER	ELECTRONICS FOR IMAGING, INC.
11040528 16686939	2021-06-22 2019-11-18	INTEGRATION OF A LINE-SCAN CAMERA ON A SINGLE PASS INKJET PRINTER	ELECTRONICS FOR IMAGING, INC.
10974528 16701630	2021-04-13 2019-12-03	REPLICATION ALIGNMENT OF COMPONENTS FOR USE IN INKJET PRINTING APPLICATIONS	ELECTRONICS FOR IMAGING, INC.
11468554 16704842	2022-10-11 2019-12-05	ASSESSING PRINTER QUALITY BY ASSIGNING QUALITY SCORES TO IMAGES	ELECTRONICS FOR IMAGING, INC.
11141988 16709325	2021-10-12 2019-12-10	IMPERMEABLE UNITARY STRUCTURE FOR ROUTING FLUIDS	ELECTRONICS FOR IMAGING, INC.
10953665 16709744	2021-03-23 2019-12-10	MODIFYING IMAGE DATA TO COMPENSATE FOR DEFECTIVE PRINTER NOZZLES	ELECTRONICS FOR IMAGING, INC.
11203212 16713560	2021-12-21 2019-12-13	WIDE FORMAT STAGGERED SINGLE PASS PRINTING APPARATUS	ELECTRONICS FOR IMAGING, INC.
11407238 16738789	2022-08-09 2020-01-09	PRINTER VACUUM CONVEYOR WITH ADJUSTABLE ACTIVE AREA	ELECTRONICS FOR IMAGING, INC.
11525707 16745045	2022-12-13 2020-01-16	LINEAR ROTARY ENCODER	ELECTRONICS FOR IMAGING, INC.
11106953 16826024	2021-08-31 2020-03-20	LASER CUTTING OF PRINTED LABELS	ELECTRONICS FOR IMAGING, INC.
11590771 16904420	2023-02-28 2020-06-17	SPOT GLOSS AND GLOSS CONTROL IN AN INKJET PRINTING SYSTEM	ELECTRONICS FOR IMAGING, INC.
11173724 17014512	2021-11-16 2020-09-08	WOODGRAIN SUPPRESSION IN INKJET PRINTING	ELECTRONICS FOR IMAGING, INC.
11164053 17070838	2021-11-02 2020-10-14	VARIABLE SMOOTHING IN PRINTING	ELECTRONICS FOR IMAGING, INC.
11633972 17085069	2023-04-25 2020-10-30	INKJET PROCESS FOR THREE-DIMENSIONAL RELIEF ON TILES	ELECTRONICS FOR IMAGING, INC.

Pat./ Pub./ Appl No.	Issue / Pub. / App. Date	Title	Current Owner
11305563 17127580	2022-04-19 2020-12-18	APPARATUS TO FLATTEN A SUBSTRATE ALONG A PRINT PATH OF A PRINTER	ELECTRONICS FOR IMAGING, INC.
11400727 17164326	2022-08-02 2021-02-01	MULTI-COLOR MULTI-SPEED PRINTING APPARATUS WITH CIRCULATION	ELECTRONICS FOR IMAGING, INC.
11752784 17169055	2023-09-12 2021-02-05	PRINTING SYSTEMS AND ASSOCIATED STRUCTURES AND METHODS HAVING INK DROP DEFLECTION COMPENSATION	ELECTRONICS FOR IMAGING, INC.
11548306 17181403	2023-01-10 2021-02-22	METHOD AND COMPOSITION FOR INK JET PRINTING ON A NONABSORBENT SUBSTRATE	ELECTRONICS FOR IMAGING, INC.
11691437 17196962	2023-07-04 2021-03-09	MODIFYING IMAGE DATA TO COMPENSATE FOR DEFECTIVE PRINTER NOZZLES	ELECTRONICS FOR IMAGING, INC.
11691446 17203282	2023-07-04 2021-03-16	REPLICATION ALIGNMENT OF COMPONENTS FOR USE IN INKJET PRINTING APPLICATIONS	ELECTRONICS FOR IMAGING, INC.
20210229454 17227648	2021-07-29 2021-04-12	HIGH STABILITY INK DELIVERY SYSTEMS, AND ASSOCIATED PRINT SYSTEMS AND METHODS	ELECTRONICS FOR IMAGING, INC.
11691413 17336195	2023-07-04 2021-06-01	INTEGRATION OF A LINE-SCAN CAMERA ON A SINGLE PASS INKJET PRINTER	ELECTRONICS FOR IMAGING, INC.
11529800 17365658	2022-12-20 2021-07-01	ULTRAVIOLET (UV) HEAT-ACTIVATED LAMINATING ADHESIVE FOR AN INKJET PRINTING PROCESS	ELECTRONICS FOR IMAGING, INC.
11685157 17373622	2023-06-27 2021-07-12	UPWARDS JETTING DIGITAL PRINTING PLATFORM	ELECTRONICS FOR IMAGING, INC.
20220024231 17496225	2022-01-27 2021-10-07	STEP COMPENSATING CARRIAGE PRINTER	ELECTRONICS FOR IMAGING, INC.
11366992 17496574	2022-06-21 2021-10-07	VARIABLE SMOOTHING IN PRINTING	ELECTRONICS FOR IMAGING, INC.
11667133 17501455	2023-06-06 2021-10-14	WOODGRAIN SUPPRESSION IN INKJET PRINTING	ELECTRONICS FOR IMAGING, INC.
20230118766 17501691	2023-04-20 2021-10-14	SYSTEMS AND METHODS FOR OPTICAL TRACKING OF HIGH PRECISION	ELECTRONICS FOR IMAGING, INC.
20230145295 17523723	2023-05-11 2021-11-10	VACUUM CONVEYOR SYSTEM FOR INKJET PRINTING WITH ADJUSTMENT TO THE COVERED AREA	ELECTRONICS FOR IMAGING, INC.
20230159774 17535362	2023-05-25 2021-11-24	HIGH ELONGATION LIQUID LAMINATE PRINTED VIA INKJET PRINTING PROCESS	ELECTRONICS FOR IMAGING, INC.
20230271433 17682148	2023-08-31 2022-02-28	PRINTER WITH HIGH PRODUCTIVITY MEDIA SCANNING	ELECTRONICS FOR IMAGING, INC.
20230182487 17689080	2023-06-15 2022-03-08	THERMAL TRANSFORMATIVE VARIABLE GLOSS CONTROL	ELECTRONICS FOR IMAGING, INC.
20220348028 17812944	2022-11-03 2022-07-15	PRINTER VACUUM CONVEYOR WITH ADJUSTABLE ACTIVE AREA	ELECTRONICS FOR IMAGING, INC.
11559993 17843788	2023-01-24 2022-06-17	MULTI-COLOR MULTI-SPEED PRINTING APPARATUS WITH CIRCULATION	ELECTRONICS FOR IMAGING, INC.
20230031416 17938730	2023-02-02 2022-10-07	ASSESSING PRINTER QUALITY BY ASSIGNING QUALITY SCORES TO IMAGES	ELECTRONICS FOR IMAGING, INC.
20230078080 18056696	2023-03-16 2022-11-17	ULTRAVIOLET (UV) HEAT-ACTIVATED LAMINATING ADHESIVE FOR AN INKJET PRINTING PROCESS	ELECTRONICS FOR IMAGING, INC.
20230084671 18056702	2023-03-16 2022-11-17	LINEAR ROTARY ENCODER	ELECTRONICS FOR IMAGING, INC.
20230286294 18175140	2023-09-14 2023-02-27	SPOT GLOSS AND GLOSS CONTROL IN AN INKJET PRINTING SYSTEM	ELECTRONICS FOR IMAGING, INC.

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20230370561 18185257	2023-11-16 2023-03-16	INTERACTIVE THREE-DIMENSIONAL (3D) COLOR HISTOGRAMS	ELECTRONICS FOR IMAGING, INC.
20240010018 18306091	2024-01-11 2023-04-24	SYSTEMS AND METHODS FOR DETERMINING PRINTING CONDITIONS BASED ON SAMPLES OF IMAGES PRINTED BY SHUTTLE-BASED PRINTERS	ELECTRONICS FOR IMAGING, INC.
20230271418 18311863	2023-08-31 2023-05-03	UPWARDS JETTING DIGITAL PRINTING PLATFORM	ELECTRONICS FOR IMAGING, INC.
20230286304 18320065	2023-09-14 2023-05-18	REPLICATION ALIGNMENT OF COMPONENTS FOR USE IN INKJET PRINTING APPLICATIONS	ELECTRONICS FOR IMAGING, INC.
20230286290 18320107	2023-09-14 2023-05-18	MODIFYING IMAGE DATA TO COMPENSATE FOR DEFECTIVE PRINTER NOZZLES	ELECTRONICS FOR IMAGING, INC.
20230286260 18321947	2023-09-14 2023-05-23	INTEGRATION OF A LINE-SCAN CAMERA ON A SINGLE PASS INKJET PRINTER	ELECTRONICS FOR IMAGING, INC.
20230339242 18342633	2023-10-26 2023-06-27	PRINTING SYSTEMS AND ASSOCIATED STRUCTURES AND METHODS HAVING INK DROP DEFLECTION COMPENSATION	ELECTRONICS FOR IMAGING, INC.
20230364932 18360719	2023-11-16 2023-07-27	MACHINE LEARNING-IMPLEMENTED INKJET PROCESSING FOR GENERATION OF THREE- DIMENSIONAL RELIEF ON TILES	ELECTRONICS FOR IMAGING, INC.