

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4418550

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREW P SMITH	05/01/2017
JAY STEIN	04/27/2017
KENNETH DEFREITAS	04/26/2017
IAN SHAW	05/01/2017
ZHENXUE JING	04/27/2017
LOREN NIKLASON	05/06/2017
BAORUI REN	04/28/2017
CHRISTOPHER RUTH	04/27/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HOLOGIC, INC.
<b>Street Address:</b>	250 CAMPUS DRIVE
<b>City:</b>	MARLBOROUGH
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01752
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15027650
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(212)391-0525
<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>	2122780400
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<b>Address Line 4:</b>	NEW YORK, NEW YORK 10112
<b>ATTORNEY DOCKET NUMBER:</b>	1166-81444-PCT-US-2
<b>NAME OF SUBMITTER:</b>	IVAN KAVRUKOV
<b>SIGNATURE:</b>	/IVAN KAVRUKOV/

PATENT

<b>DATE SIGNED:</b>	05/17/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).
<b>Total Attachments: 8</b> source=ExecutedAssignment_15027650#page1.tif source=ExecutedAssignment_15027650#page2.tif source=ExecutedAssignment_15027650#page3.tif source=ExecutedAssignment_15027650#page4.tif source=ExecutedAssignment_15027650#page5.tif source=ExecutedAssignment_15027650#page6.tif source=ExecutedAssignment_15027650#page7.tif source=ExecutedAssignment_15027650#page8.tif	

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, We, **Andrew P. Smith, Jay Stein, Kenneth DeFreitas, Ian Shaw, Zhenxue Jing, Loren Niklason, Baorui Ren, and Christopher Ruth**, (hereinafter referred to as "ASSIGNORS"), have invented a certain invention entitled **X-Ray Breast Tomosynthesis Enhancing Spatial Resolution Including in the Thickness Direction of a Flattened Breast** for which United States Patent Application No. **15/027,650** was filed on **April 6, 2016**; and

WHEREAS, I, Andrew P. Smith; I, Jay Stein; I, Kenneth DeFreitas; I, Ian Shaw; I, Zhenxue Jing; I, Loren Niklason; I, Baorui Ren; and I, Christopher Ruth, declare the above-identified application was made or authorized to be made by me. I, Andrew P. Smith; I, Jay Stein; I, Kenneth DeFreitas; I, Ian Shaw; I, Zhenxue Jing; I, Loren Niklason; I, Baorui Ren; and I, Christopher Ruth believe that I am the original inventor or an original joint inventor of a claimed invention in the application. I, Andrew P. Smith; I, Jay Stein; I, Kenneth DeFreitas; I, Ian Shaw; I, Zhenxue Jing; I, Loren Niklason; I, Baorui Ren; and I, Christopher Ruth, hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both; and

WHEREAS, HOLOGIC, INC., a corporation organized and existing under and by virtue of the laws of the state of Delaware and having its principal place of business at 250 Campus Drive, Marlborough, Massachusetts 01752 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all

Letters Patent and applications therefore, or similar legal protection, including without limitation said U.S. Patent Application Serial No. **15/027,650**, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said applications, and to any continuation, continuation-in-part, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof, to issue said patents to ASSIGNEE, its successors and assigns, in accordance with this Assignment.

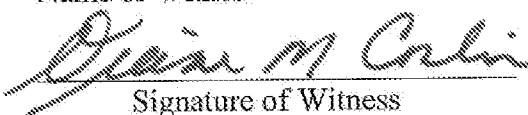
ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement. ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS, and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said

equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

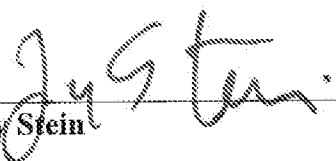
5/1/17  
Date

  
Andrew P. Smith

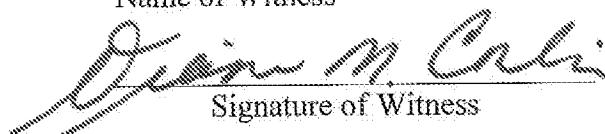
Diane M. Corlin  
Name of Witness

  
Signature of Witness

8-27-2017  
Date

  
Jay Stein

Diane M. Corlin  
Name of Witness

  
Signature of Witness

                      
Date

                      
Kenneth DeFreitas

                      
Name of Witness

                      
Signature of Witness

equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

\_\_\_\_\_  
Date

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Andrew P. Smith

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Name of Witness

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Signature of Witness


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Jay Stein

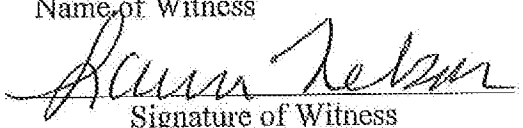
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Name of Witness

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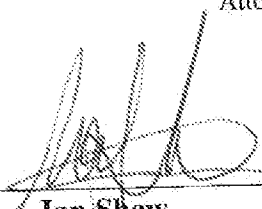
4/26/17  
Date

  
Kenneth DeFreitas

Laura Nelson  
Name of Witness

  
Signature of Witness

5/1/2017  
Date

  
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**Ian Shaw**

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Name of Witness

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Signature of Witness

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Date

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**Zhenxue Jing**

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Name of Witness

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Signature of Witness

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Date

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**Loren Niklason**

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Name of Witness

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Signature of Witness

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Date

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Ian Shaw

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Name of Witness

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Signature of Witness

4/27/2017

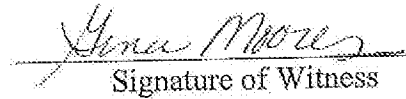
\_\_\_\_\_  
Date



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Zhenxue Jing

Gina Moores

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Name of Witness

  
Signature of Witness

\_\_\_\_\_  
Date

\_\_\_\_\_  
Loren Niklason

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Name of Witness

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Signature of Witness



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Date

\_\_\_\_\_  
**Ian Shaw**

\_\_\_\_\_  
Name of Witness

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Signature of Witness

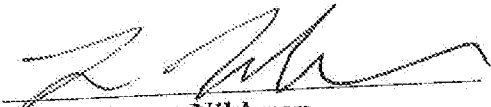
\_\_\_\_\_  
Date

\_\_\_\_\_  
**Zhenxue Jing**

\_\_\_\_\_  
Name of Witness

\_\_\_\_\_  
Signature of Witness

May 6, 2017  
Date

  
**Loren Niklason**

\_\_\_\_\_  
Name of Witness

\_\_\_\_\_  
Signature of Witness

8-28-17  
Date

Baorui Ren  
Baorui Ren

Bao DIANE M. CONN  
Name of Witness  
Diane M. Conn  
Signature of Witness

8-27-17  
Date

Chris Ruth  
Christopher Ruth

Diane M. Conn  
Name of Witness  
Diane M. Conn  
Signature of Witness