## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4317989

SUBMISSION TYPE:	RESUBMISSION
NATURE OF CONVEYANCE:	ASSIGNMENT
RESUBMIT DOCUMENT ID:	504201722

#### **CONVEYING PARTY DATA**

Name	Execution Date
VARIAN MEDICAL SYSTEMS, INC.	01/25/2017

#### **RECEIVING PARTY DATA**

Name:	VAREX IMAGING CORPORATION	
Street Address:	1678 SOUTH PIONEER ROAD	
City:	SALT LAKE CITY	
State/Country:	UTAH	
Postal Code:	84104-4205	

#### **PROPERTY NUMBERS Total: 216**

Property Type	Number
Patent Number:	6619842
Patent Number:	6438208
Patent Number:	6519318
Patent Number:	6456692
Patent Number:	6778635
Patent Number:	7593509
Patent Number:	6940947
Patent Number:	6653992
Patent Number:	6718069
Patent Number:	6556654
Patent Number:	6690765
Patent Number:	6829329
Patent Number:	6486808
Patent Number:	7079624
Patent Number:	6751292
Patent Number:	7122804
Patent Number:	7423253
Patent Number:	7638752
Patent Number:	8658960

PATENT REEL: 041602 FRAME: 0309

504271307

Property Type	Number
Patent Number:	8049156
Patent Number:	7208717
Patent Number:	7369640
Patent Number:	7672422
Patent Number:	7103137
Patent Number:	7058160
Patent Number:	7004635
Patent Number:	7486776
Patent Number:	7289603
Patent Number:	7209546
Patent Number:	6921892
Patent Number:	7162005
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Patent Number:	6937692
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Patent Number:	7002408
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Patent Number:	7257194
Patent Number:	7208810
Patent Number:	8263938
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Patent Number:	7445517
Patent Number:	7150562
Patent Number:	7783010
Patent Number:	7436932
Patent Number:	7672426

Property Type	Number
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Patent Number:	7154994
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Patent Number:	8135200

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Patent Number:	8600193
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Patent Number:	9338875
Patent Number:	9086496
Patent Number:	9380239
Patent Number:	9500752
Patent Number:	9530196
Patent Number:	9472371
Patent Number:	9029794
Patent Number:	6084461
Patent Number:	6424750
Patent Number:	6744912
Patent Number:	5970115
Patent Number:	7123687
Patent Number:	6115454
Patent Number:	5844963
Patent Number:	5943389
Patent Number:	5802140
Patent Number:	6075839
Patent Number:	6580780
Patent Number:	6088426
Patent Number:	6459768
Patent Number:	6002745
Patent Number:	6074092
Patent Number:	6163593
Patent Number:	6252933
Patent Number:	6134299
Patent Number:	6430264
Patent Number:	6327340
Patent Number:	6393099
Patent Number:	6400799
Patent Number:	6330304
Patent Number:	6582531

Property Type	Number
Patent Number:	6282262
Patent Number:	6494618
Patent Number:	7062017
Patent Number:	6529579
Patent Number:	6361208
Patent Number:	6519317
Patent Number:	6487273

#### **CORRESPONDENCE DATA**

**Fax Number:** (801)973-5059

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:** 650-424-6563

**Email:** ipdocket@vareximaging.com

Correspondent Name: SANDRA ROE

Address Line 1: VAREX IMAGING CORPORATION
Address Line 2: 1678 SOUTH PIONEER ROAD

Address Line 4: SALT LAKE CITY, UTAH 84104-4205

NAME OF SUBMITTER:	SANDRA ROE
SIGNATURE:	/sandra roe/
DATE SIGNED:	03/14/2017

#### **Total Attachments: 11**

source=VMS-VAREX Assignment-granted#page1.tif source=VMS-VAREX Assignment-granted#page2.tif source=VMS-VAREX Assignment-granted#page3.tif source=VMS-VAREX Assignment-granted#page4.tif source=VMS-VAREX Assignment-granted#page5.tif source=VMS-VAREX Assignment-granted#page6.tif source=VMS-VAREX Assignment-granted#page7.tif source=VMS-VAREX Assignment-granted#page8.tif source=VMS-VAREX Assignment-granted#page9.tif source=VMS-VAREX Assignment-granted#page10.tif source=VMS-VAREX Assignment-granted#page11.tif

### PATENTS AND PATENT APPLICATIONS ASSIGNMENT AGREEMENT

This Patent and Patent Applications Assignment Agreement ("Agreement"), entered into this 25th day of January, 2017, by and between Varian Medical Systems, Inc. ("Assignor") a corporation organized and existing under the laws of the state of Delaware and having its principle address at 3100 Hansen Way, Palo Alto, CA 94304 (United States) and Varex Imaging Corporation ("Assignee") a corporation organized and existing under the laws of the State of Delaware and having its principle address at 1678 South Pioneer Road, Salt Lake City, UT 84104 (United States).

#### WITNESSETH

WHEREAS, Assignee is a wholly-owned subsidiary of Assignor;

WHEREAS, Assignor and Assignee plan to enter into that certain Separation and Distribution Agreement (the "Separation and Distribution Agreement"), and prior to and in connection therewith, Assignor plans to transfer certain assets to Assignee on the terms and conditions set forth in the Separation and Distribution Agreement;

WHEREAS, Assignor is the owner of all rights, title and interests in and to the patents and patent applications listed on Schedule 1.15 of the Separation and Distribution Agreement and incorporated herein on Exhibit A attached hereto ("Patents and Patent Applications"); and

WHEREAS, Assignee wishes to acquire from Assignor, and Assignor wishes to transfer and assign to Assignee exclusive right, title and interest in, to and under the inventions pertaining to the Patents and Patent Applications presently owned by Assignor and in, to and under any patent or similar legal protection to be obtained therefore in the United States of America, its territorial possessions and in any and all countries foreign thereto.

#### AGREEMENT

**NOW THEREFORE**, in consideration of the foregoing premises and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by Assignor, the parties hereto agree as follows:

- 1. <u>Transfer of Patents and Patent Applications</u>. Assignor hereby sells, assigns, transfers to Assignee, and Assignee hereby accepts, the full and exclusive right, title and interest to the inventions, including, without limitation:
  - a. the Patents and Patent Applications specifically listed in Exhibit A; and
  - b. all patents or patent applications (i) which directly or indirectly claim priority from the Patents and Patent Applications, or (ii) from which the Patents and Patent Applications directly or indirectly claim priority; and
  - c. all patents, patent applications, foreign counterpart patents and applications, reissues, reexaminations, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, and divisions, of or issuing from any item in any of the foregoing subsections (a) and (b); and
  - d. any provisional patent application or application filed pursuant to the Patent Cooperation

- Treaty having a filing date that any of the foregoing patents and patent applications claim the benefit of; and
- e. all other rights of priority under International Convention or United States or foreign law based on, claimed by, or otherwise relating to any of the foregoing patents and patent applications, and any patents or patent applications that claim priority from or correspond thereto.
- 2. Further Assurances and Cooperation. Assignor agrees to execute any documents in any jurisdiction as may be reasonably required to accomplish the transfer and assignment of full and exclusive right, title and interest to the inventions that Assignor has in the Patents and Patent Applications to Assignee; and Assignor agrees that Assignee will, upon its request, be provided promptly with all pertinent facts and documents relating to the inventions, the applications, and the Letters Patent and legal equivalents as may be known and accessible to Assignor 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 inventions, the applications, the Letters Patents and the equivalents in the United States or in any foreign county, which may be necessary or desirable to carry out the purpose thereof, provided that any assistance provided by Assignor shall be at the sole cost and expense of Assignee.
- 3. **Recordation**. Assignor hereby authorizes and requests the United States Commissioner of Patents and Trademark and any officials of any other country or jurisdiction throughout the world whose duty it is to issue patents or any legal equivalent thereof to record this Assignment.
- 4. <u>Prior Assignments and Encumbrances</u>. Assignor hereby agrees that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement.
- 5. Past Damages. As a material part of the foregoing assignment, Assignor irrevocably quitclaims, sells, assigns, transfers, and conveys to Assignee, all claims for damages, income, royalties, payments and all remedies arising out of any infringement or violation of the rights assigned hereby that may have accrued prior to the date of assignment or may accrue hereafter, including, but not limited to, the sole right to sue for, collect, and retain damages for past infringements of the assigned rights. Assignor further acknowledges that by virtue of the assignments it is precluded from joining, and separately agrees that it will not seek to join in, any legal proceeding as a plaintiff, co-plaintiff, counterclaimant or co-counterclaimant attempting to assert any of the rights, interests, claims, or causes of actions transferred and assigned hereunder.
- Distribution Agreement, the Patents and Patent Applications are hereby assigned on an "as is" basis and the Assignee shall bear the economic and legal risks that (i) any conveyance will provide to be insufficient to vest in the Assignee good and marketable title, free and clear of any security interest, and (ii) any necessary approvals or notifications are not obtained or made or that any requirements of laws or judgments are not complied with.

- 7. Entirety of Agreement. This Agreement and the documents to be executed pursuant thereto, together, constitute the complete statement of all the arrangements among the parties with respect to their subject matter, and may not be amended, altered, modified or otherwise changed in any respect except in a writing signed by all parties.
- 8. Governing Law. The validity, construction and performance of this Assignment shall be governed by and construed in accordance with the laws of the State of California, without reference to any choice of law or conflicts of laws principles of such state; provided, however, that any aspects of this Assignment that are the subject matter of the United States Patent Act shall be governed by the federal laws of the United States.
- 9. <u>Successor and Assigns</u>. The parties acknowledge that they are acting on behalf of, and that this Agreement shall bind and benefit, the parties and their respective successors, assigns, parents, subsidiaries, affiliates and licensees throughout the world.

[Signature page follows]

WITNESS my hand at Palo A Ho, CA,
witness my hand at Palo A Ho, CA, this 25th day of January, 2017.
ASSIGNOR: Varian Medical Systems, Inc.  By:   Name: Keith G. Askoff
Its: Assistant Secretary
ACKNOWLEDGMENT
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
State of California Sauta Clara
on January 25, 20 before me, Sandra L. Roe Notary Public (insert name and title of the officer)  personally appeared Keith G. Askoff who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/see subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/ber/their authorized capacity(iss), and that by his/ber/their signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
SANDRA L. ROE Commission # 2117415 Notary Public - California Santa Clara County My Comm. Expires Jul 23, 2019



[Assignor Signature page to Patent and Patent Applications Assignment Agreement]

w	NESS my hand at <u>Palo Alto, California, U</u> SA
VV R.R.	14ESS my haird at 1 4 4 10 17 110 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
this_	<u>25 1/2</u> day of <u>January</u> , 2017.
	<u>(GNEE:</u>
Vare	x Imaging Corporation
Ву: _	
	e: Kimberley E. Honeysett
Its:	Secretary
30000	
***************************************	ACKNOWLEDGMENT
00000000	
200000000	A notary public or other officer completing this certificate verifies only the identity of the individual
***************************************	who signed the document to which this certificate is
***************************************	attached, and not the truthfulness, accuracy, or validity of that document.
***************************************	State of California County of Santa Clara
30000000	
800000000000000000000000000000000000000	On January 25, 2017 before me, Sandra L. Boe, Notary Public (insert name and title of the officer)
	personally appeared Kimbarley E. Honeysett
88888888	who proved to me on the basis of satisfactory evidence to be fire personts) whose name(%) is/are- subscribed to the within instrument and acknowledged to me that be/she/bley executed the same in
000000000000000000000000000000000000000	his/her/illneir authorized capacity(hee), and that by his/her/their signature(se) on the instrument the person(se), or the entity upon behalf of which the person(se) acted, executed the instrument.
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
2000000000	
***************************************	SANDRA L. ROE  Commission # 2117415  Notary Public - California  Santa Clara County
***************************************	Ally Corner Empires 141 27 20108
8	May Commit Expires 30125, 2019

[Assignee Signature page to Patent and Patent Applications Assignment Agreement]

# **EXHIBIT A**

Varian Docket No.	Patent Title	Issue date	Patent No.	Attorney Docket No.
00-002-US	X-RAY TUBE AND METHOD OF MANUFACTURE	16-Sep-2003	6,619,842	
00-004-US	LARGE SURFACE AREA X-RAY TUBE WINDOW AND WINDOW COOLING PLENUM	20-Aug-2002	6,438,208	00-004-US
00-007-US	LARGE SURFACE AREA X-RAY TUBE SHIELD STRUCTURE	11-Feb-2003	6,519,318	00-007-US
00-008-US	HIGH EMISSIVE COATINGS ON X-RAY TUBE COMPONENTS	24-Sep-2002	6,456,692	00-008-US
00-009-US	X-RAY TUBE COOLING SYSTEM	17-Aug-2004	6,778,635	V1001.10031US01
00-010-US	ANALYTICAL X-RAY TUBE FOR CLOSE COUPLED SAMPLE ANALYSIS	22-Sep-2009	7,593,509	V1001.10032US01
00-011-US	INTEGRATED BEARING ASSEMBLY	06-Sep-2005	6,940,947	14374.40
01-004-US	METHOD AND CIRCUIT FOR REDUCTION OF CORRELATED NOISE	25-Nov-2003	6,653,992	01-004-US
01-011-US	METHOD AND SYSTEM FOR REDUCING CORRELATED NOISE IN IMAGE DATA	06-Apr-2004	6,718,069	01-011-US
01-012-US	HIGH VOLTAGE CABLE AND CLAMP SYSTEM FOR AN X-RAY TUBE	29-Apr-2003	6,556,654	01-012-US
01-013-US	SLEEVE FOR A STATIONARY ANODE IN AN X-RAY TUBE	10-Feb-2004	6,690,765	01-013-US
01-016-US	TARGET FOR A STATIONARY ANODE IN AN X-RAY TUBE	07-Dec-2004	6,829,329	V1001.10066US01
01-020-US	DATA SIGNAL AMPLIFIER WITH AUTOMATICALLY CONTROLLABLE DYNAMIC SIGNAL RANGE	26-Nov-2002	6,486,808	01-020-US
01-021-US	X-RAY TUBE AND METHOD OF MANUFACTURE	18-Jul-2006	7,079,624	V1001.10059US01
01-024-US	X-RAY TUBE ROTOR ASSEMBLY HAVING AUGMENTED HEAT TRANSFER CAPABILITY	15-Jun-2004	6,751,292	14374.82
01-027-US	X-RAY IMAGING DEVICE	17-Oct-2006	7,122,804	05513.P002
01-028-US-C1	METHOD AND APPARATUS FOR CORRECTING EXCESS SIGNALS IN AN IMAGING SYSTEM	09-Sep-2008	7,423,253	5513P016C
01-028-US-C2	METHOD AND APPARATUS FOR CORRECTING EXCESS SIGNALS IN AN IMAGING SYSTEM	29-Dec-2009	7,638,752	5513.P016C2
01-028-US-C3	METHOD AND APPARATUS FOR CORRECTING EXCESS SIGNALS IN AN IMAGING SYSTEM	25-Feb-2014	8,658,960	5513.P016C2DC
01-028-US-D1	METHOD AND APPARATUS FOR EXCESS SIGNAL CORRECTION IN AN IMAGER	01-Nov-2011	8,049,156	5513P016C2D
01-028-US	METHOD AND APPARATUS FOR CORRECTING EXCESS SIGNALS IN AN IMAGING SYSTEM	24-Apr-2007	7,208,717	01-028-US
01-030-US-C1	RADIATION SCANNING OF OBJECTS FOR CONTRABAND	06-May-2008	7,369,640	01-030-US-C1
01-030-US-C2	RADIATION SCANNING OF OBJECTS FOR CONTRABAND	02-Mar-2010	7,672,422	63314-1031
01-030-US	RADIATION SCANNING OF OBJECTS FOR CONTRABAND	05-Sep-2006	7,103,137	01-030-US
01-032-US	SHIELD STRUCTURE FOR X-RAY DEVICE	06-Jun-2006	7,058,160	14374.89
01-033-US	LUBRICATED BALL BEARINGS	28-Feb-2006	7,004,635	V1001.10070US01
01-034-US-C1	SHIELD STRUCTURE AND FOCAL SPOT CONTROL ASSEMBLY FOR X-RAY DEVICE	03-Feb-2009	7,486,776	V1001.10067US02
01-034-US	SHIELD STRUCTURE AND FOCAL SPOT CONTROL ASSEMBLY FOR X-RAY DEVICE	30-Oct-2007	7,289,603	01-034-US
01-037-US	APPARATUS AND METHOD FOR APPLYING AN ABSORPTIVE COATING TO AN X-RAY TUBE	24-Apr-2007	7,209,546	01-037-US
02-005-US	ELECTROSTATIC IMAGER	26-Jul-2005	6,921,892	005513.P008
02-008-US	RADIATION SOURCES AND COMPACT RADIATION SCANNING SYSTEMS	09-Jan-2007	7,162,005	02-008-US
02-009-US	X-RAY TUBE HOUSING WINDOW	22-Jul-2008	7,403,596	02-009-US
02-010-US-D1	X-RAY TUBE HIGH VOLTAGE CONNECTOR	25-Apr-2006	7,033,192	14374.99.1
02-011-US	ADJUSTABLE X-RAY BEAM COLLIMATOR FOR AN X- RAY TUBE	17-Aug-2004	6,778,636	14374.94
02-017-US	RADIATION SCANNING UNITS INCLUDING A MOVABLE PLATFORM	08-Apr-2008	7,356,115	02-017-US

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02-019-US	CATHODE ASSEMBLY APPARATUS AND METHOD FOR SHAPING HIGH	05-Feb-2008	7,327,829	02-019-US
02-020-US	VOLTAGE POTENTIALS ON AN INSULATOR	16-Nov-2004	6,819,741	V1001.10046US01
02-026-US	PHOTODETECTOR BIASING SCHEME	29-Nov-2005	6,969,896	02-026-US
02-031-US	RADIATION SCANNING OF CARGO CONVEYANCES	08-Jan-2008	7,317,782	02-031-US
	AT SEAPORTS AND THE LIKE RADIATION SOURCES AND RADIATION SCANNING			
02-033-US	SYSTEMS WITH IMPROVED UNIFORMITY OF RADIATION INTENSITY	11-Oct-2005	6,954,515	02-033-US
03-001-US	HIGH VOLTAGE CONNECTOR FOR X-RAY TUBE	28-Nov-2006	7,142,639	03-001-US
03-002-US	X-RAY TUBE HAVING AN INTERNAL RADIATION	16-Dec-2008	7,466,799	V1001.10078US01
03-008-US	SHIELD MOUNTING SYSTEM FOR AN X-RAY TUBE	06-Nov-2007	7,290,929	V1001.10080US01
	VEHICLE MOUNTED INSPECTION SYSTEMS AND			
03-014-US	METHODS	30-Aug-2005	6,937,692	03-014-US
03-016-US	MULTI-SLICE FLAT PANEL COMPUTED TOMOGRAPHY	22-Aug-2006	7,095,028	03-016-US
03-019-US-C1	DATA SIGNAL AMPLIFIER AND PROCESSOR WITH MULTIPLE SIGNAL GAINS FOR INCREASED DYNAMIC SIGNAL RANGE	20-Feb-2007	7,180,366	03-019-US-C1
03-019-US	DATA SIGNAL AMPLIFIER AND PROCESSOR WITH MULTIPLE SIGNAL GAINS FOR INCREASED DYNAMIC SIGNAL RANGE	21-Feb-2006	7,002,408	03-019-US
03-027-US	X-RAY DEVICE COMPONENT WITH EMISSIVE	09-Feb-2010	7,658,987	V1001.10081US01
03-028-US	INORGANIC COATING CATHODE HEAD WITH FOCAL SPOT CONTROL	14-Aug-2007	7,257,194	03-028-US
	INTEGRATED MIS PHOTOSENSITIVE DEVICE USING	24-Apr-2007		
03-032-US	CONTINUOUS FILMS		7,208,810	03-032-US
03-033-US	DUAL ENERGY RADIATION SCANNING OF OBJECTS ASYMMETRIC FLATTENING FILTER FOR X-RAY	11-Sep-2012	8,263,938	63314-1013
03-034-US	DEVICE	08-Jul-2008	7,397,904	03-034-US
03-037-US	HIGH VOLTAGE CABLE ASSEMBLY WITH ARC PROTECTION	04-Nov-2008	7,445,517	
03-038-US	HIGH VOLTAGE CABLE TERMINAL AND CLAMP SYSTEM	19-Dec-2006	7,150,562	03-038-US
03-046-US-D1	X-RAY RADIATION SOURCES WITH LOW NEUTRON EMISSIONS FOR RADIATION SCANNING	24-Aug-2010	7,783,010	63314-1035
03-046-US	X-RAY RADIATION SOURCES WITH LOW NEUTRON EMISSIONS FOR RADIATION SCANNING	14-Oct-2008	7,436,932	
03-047-US	RADIATION SCANNING UNITS WITH REDUCED DETECTOR REQUIREMENTS	02-Mar-2010	7,672,426	63314-1008
04-002-US	MULTI-GAIN DATA PROCESSING	19-Jul-2011	7,983,867	VARI-0305 US (04- 002)
04-003-US	SYNCHRONIZATION OF X-RAY DATA ACQUISITION	26-Dec-2006	7,154,994	04-003-US
04-004-US-C1	ROTATING CARRIAGE ASSEMBLY FOR USE IN SCANNING CARGO CONVEYANCES TRANSPORTED BY A CRANE	24-Aug-2010	7,783,003	63314-1026
04-004-US	ROTATING CARRIAGE ASSEMBLY FOR USE IN SCANNING CARGO CONVEYANCES TRANSPORTED BY A CRANE	25-Sep-2007	7,274,767	04-004-US
04-005-US-D1	SYSTEMS, METHODS AND DEVICES FOR X-RAY DEVICE FOCAL SPOT CONTROL	24-Mar-2009	7,507,026	V1001.10086US02
04-005-US	SYSTEMS, METHODS AND DEVICES FOR X-RAY DEVICE FOCAL SPOT CONTROL	23-Oct-2007	7,286,644	04-005-US
04-010-US	MULTIPLE MODE FLAT PANEL X-RAY IMAGING SYSTEM	12-Jun-2007	7,231,014	04-010-US
04-012-US	OBJECT EXAMINATION BY DELAYED NEUTRONS	09-Sep-2008	7,423,273	63314-1015
04-013-US	MODULAR COOLING UNIT FOR X-RAY DEVICE	09-Jun-2009	7,543,987	V1001.10090US01
04-019-US-C1 04-019-US-D1	CATHODE STRUCTURES FOR X-RAY TUBES CATHODE STRUCTURES FOR X-RAY TUBES	08-May-2012 05-Jul-2016	8,174,174 9,384,935	V1001.10171US02 V1001.10171US03
04-019-US	CATHODE STRUCTURES FOR X-RAY TUBES  CATHODE STRUCTURES FOR X-RAY TUBES	14-Sep-2010	7,795,792	V1001.10171US03
04-021-US	INTEGRATED MIS PHOTOSENSITIVE DEVICE USING CONTINUOUS FILMS	29-Nov-2011	8,067,813	10101.04.0210
04-023-US	REMOVABLE APERTURE COOLING STRUCTURE FOR AN X-RAY TUBE	03-Feb-2009	7,486,774	V1001.10091US01
04-026-US	VOLUMETRIC X-RAY IMAGING SYSTEM WITH AUTOMATIC IMAGE RESOLUTION ENHANCEMENT	28-Apr-2009	7,526,065	04-026-US
04-029-US	SHIELDED CATHODE ASSEMBLY	16-Feb-2010	7,661,445	V1001.10094US01
05-002-US	MEGAVOLTAGE IMAGING WITH A	08-Feb-2011	7,884,438	5513P025
	PHOTOCONDUCTOR BASED SENSOR		.,,	

	CATHODE HEAD HAVING FILAMENT PROTECTION			
05-003-US	FEATURES	02-Feb-2010	7,657,002	V1001.10098US01
05-006-US	VOLTAGE INJECTOR AND DETECTOR USING PIXEL ARRAY FOR PRINTED CIRCUIT BOARD TESTING	08-Apr-2008	7,355,385	05-006-US
05-007-US-C1	DUAL ENERGY RADIATION SCANNING OF CONTENTS OF AN OBJECT	22-Dec-2009	7,636,417	63314-1025
05-007-US	DUAL ENERGY RADIATION SCANNING OF CONTENTS OF AN OBJECT	14-Aug-2007	7,257,188	05-007-US
05-013-US	SELF-ALIGNMENT OF RADIOGRAPHIC IMAGING SYSTEM	18-Mar-2008	7,344,304	05-013-US
05-030-US	APPARATUS OF PHOTOCONDUCTOR CRYSTAL GROWTH	20-Apr-2010	7,700,923	7017-1200
05-038-US-D1	DUAL ANGLE RADIATION SCANNING OF OBJECTS	08-Oct-2013	8,551,785	6120-6DIV-329688
05-038-US	DUAL ANGLE RADIATION SCANNING OF OBJECTS	20-Mar-2012	8,137,976	63314-1018
06-002-US	SYSTEMS AND METHODS FOR IMAGE ACQUISITION RADIATION SCANNING AND DISABLING OF	15-Sep-2009	7,589,326	VM7034924001
06-008-US-C1	HAZARDOUS TARGETS IN CONTAINERS RADIATION SCANNING AND DISABLING OF	11-Aug-2015	9,103,925	6120-11CON\329725
06-008-US	HAZARDOUS TARGETS IN CONTAINERS	17-Jul-2012	8,223,918	·····
06-009-US	MULTIPLE ENERGY X-RAY SOURCE ASSEMBLY	13-Jan-2009	7,476,023	V1001.10105US01
06-014-US	RADIATION SCANNING WITH PHOTON TAGGING	28-Sep-2007	7,630,474	63314-1021 6120-2DIV-
06-015-US-D1	COMPACT, INTERLEAVED RADIATION SOURCES	15-Jul-2014	8,779,398	329686.000
06-015-US	COMPACT, INTERLEAVED RADIATION SOURCES GAIN/LAG ARTIFACT CORRECTION ALGORITHM AND	12-Jun-2012	8,198,587	63314-1022
06-017-US	SOFTWARE	03-Feb-2009	7,485,850	05513.P027
06-018-US	METHOD FOR REDUCING SENSITIVITY MODULATION AND LAG IN ELECTRONIC IMAGERS	30-Mar-2010	7,688,947	005513.P028
06-024-US-C1	CHARGED PARTICLE ACCELERATORS, RADIATION SOURCES, SYSTEMS, AND METHODS	12-May-2015	9,030,134	6120-9CON- 329722.000
06-024-US	CHARGED PARTICLE ACCELERATORS, RADIATION SOURCES, SYSTEM, AND METHODS	07-Feb-2012	8,111,025	63314-1028
06-031-US	FILAMENT ASSEMBLY HAVING REDUCED ELECTRON BEAM TIME CONSTANT	26-May-2009	7,539,286	V1001.10106US01
06-032-US	MECHANICAL INTERFACE ASSEMBLY	02-Dec-2008	7,460,648	V1001.10107US01
06-033-US	X-RAY TARGET ASSEMBLY AND METHODS FOR MANUFACTURING SAME	15-Nov-2011	8,059,785	V1001.10108US01
06-035-US	CORROSION BARRIER LAYER FOR PHOTOCONDUCTIVE X-RAY IMAGERS	31-Jul-2012	8,232,531	VAR-101/US
06-036-US	HIGH DETECTIVE QUANTUM EFFICIENCY X-RAY DETECTORS	19-Oct-2010	7,816,651	7017-2001
06-037-US	X-RAY TUBE HAVING A FOCAL SPOT PROXIMATE THE TUBE END	09-Oct-2012	8,284,899	VM 06-037-US
06-040-US	X-RAY TUBE WINDOW	06-Aug-2013	8,503,616	V1001.10110US01
07-002-US	APERTURE SHIELD INCORPORATING REFRACTORY MATERIALS	16-Aug-2011	8,000,450	V1001.10111US01
07-005-US	LIQUID COOLED WINDOW ASSEMBLY IN AN X-RAY TUBE	10-Nov-2009	7,616,736	V1001.10112US01
07-015-US	METHOD AND APPARATUS TO FACILITATE COMPUTERIZED TOMOGRAPHY OF RELATIVELY LARGE OBJECTS	28-Aug-2007	7,263,156	07-015-US
07-016-US	METHOD AND APPARATUS FOR AUTO-CALIBRATION OF A CT SCANNER	20-Apr-2010	7,700,909	8632/85989
07-017-US	METHOD AND APPARATUS FOR FACILITATING ENHANCED CT SCANNING	23-Oct-2007	7,286,630	07-017-US
07-019-US	SYSTEM FOR EXTENDING THE DYNAMIC GAIN OF AN X-RAY DETECTOR	31-May-2005	6,901,135	07-019-US
07-021-US	METHOD AND APPARATUS TO FACILITATE DETERMINATION OF A PARAMETER THAT CORRESPONDS TO A SCANNING GEOMETRY CHARACTERISTIC	09-Jun-2015	9,052,265	8632-85708-US (07- 021-US)
07-023-US	METHOD AND APPARATUS TO FACILITATE PROVISION AND USE OF MULTIPLE X-RAY SOURCES	12-Oct-2010	7,813,478	8632-89850
07-024-US	COMPUTED TOMOGRAPHY FACILITATION METHOD AND APPARATUS	03-Feb-2009	7,486,761	8632/87688
07-030-US	METHOD AND APPARATUS TO FACILITATE FORMING DETECTOR-LEVEL CALIBRATION INFORMATION FOR A HIGH ENERGY-BASED SCANNER	i contract of the contract of	7,922,390	07-030-US (8632/91429)
07-032-US	METHOD AND APPARATUS TO FACILITATE TRANSFORMING GRAYSCALE LEVEL VALUES	10-Apr-2012	8,155,475	8632-91431-US (07- 032-US)

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07-044-US	TRAVELING X-RAY INSPECTION SYSTEM WITH COLLIMATORS	07-Nov-2006	7,133,491	07-044-US
07-049-US	METHOD AND APPARATUS TO FACILITATE USING FUSED IMAGES TO IDENTIFY MATERIALS	16-Apr-2013	8,422,826	07-049-US (8632/90807)
07-056-US	POWER VARIATOR	27-Mar-2012	8,143,816	VM 07-056-ÚS
07-063-US	RADIATION SYSTEM AND RADIATION BEAM QUALITY DETECTOR AND METHOD	24-Aug-2010	7,780,352	8632/91242 (07-063- US)
08-001-US	DATA PROCESSING USING REDUCED ONBOARD MEMORY	15-May-2012	8,178,847	VAR-08-001-US
08-002-US	X-RAY TUBE COOLING SYSTEM THERMIONIC EMITTER DESIGNED TO CONTROL	30-Mar-2010	7,688,949	V1001.10112US02
08-005-US	ELECTRON BEAM CURRENT PROFILE IN TWO DIMENSIONS	12-Apr-2011	7,924,983	V1001.10116US01
08-007-US	CATHODE ASSEMBLY WITH INTEGRAL TABS	28-Dec-2010	7,860,219	V1001.10118US01
08-008-US	FREQUENCY TUNED ANODE BEARING ASSEMBLY RADIATION DETECTOR WITH MULTIPLE OPERATING	02-Aug-2011	7,991,121	V1001.10119US01
08-014-US-C1	SCHEMES	14-Oct-2014	8,859,976	VAR-08-014-US-C1
08-014-US	RADIATION DETECTOR WITH MULTIPLE OPERATING SCHEMES	18-Jun-2013	8,466,421	
08-016-US	RADIATION SCANNING OF OBJECTS FOR CONTRABAND	25-Jun-2013	8,472,583	6120-3-329740
08-017-US	ELECTRON EMITTER APPARATUS AND METHOD OF ASSEMBLY	13-Dec-2011	8,077,829	V1001.10121US01
08-021-US	THERMIONIC EMITTER DESIGNED TO PROVIDE UNIFORM LOADING AND THERMAL COMPENSATION	08-Mar-2011	7,903,788	V1001.10120US01
08-023-US	DUAL ENERGY RADIATION SCANNING OF CONTENTS OF AN OBJECT BASED ON CONTENTS TYPE	<sup>S</sup> 16-Oct-2012	8,290,120	63314-1032
08-029-US-C1	INTERLACED MULTI-ENERGY RADIATION SOURCES	10-Dec-2013	8,604,723	6120- 5CON/329718.000
08-029-US	INTERLACED MULTI-ENERGY RADIATION SOURCES	22-May-2012	8,183,801	63314-1033
08-032-US-D1	ELECTRON EMITTER AND METHOD OF MAKING SAME	30-Jul-2013	8,498,379	V1001.10122US02
08-032-US	ELECTRON EMITTER AND METHOD OF MAKING SAME	08-May-2012	8,175,222	V1001.10122US01
08-033-US	X-RAY TUBE BEARING ASSEMBLY	26-Feb-2013	8,385,505	V1001.10123US01
08-034-US	X-RAY TARGET AND METHOD OF MAKING SAME	13-Aug-2013	8,509,386	V1001.10124US01
08-039-US	APPARATUS AND METHOD TO FACILITATE DYNAMICALLY ADJUSTING RADIATION INTENSITY FOR IMAGING PURPOSES	02-Aug-2011	7,991,117	8632-93443 (08-039- US)
08-044-US	MULTIPLE OUTPUT CAVITIES IN SHEET BEAM KLYSTRON	10-Mar-2015	8,975,816	VM 08-044-US
08-062-US	METHOD AND APPARATUS PERTAINING TO COMPUTED TOMOGRAPHY SCANNING USING A CALIBRATION PHANTOM	15-Jul-2014	8,777,485	8632-94169-US (08- 062-US)
08-064-US	METHOD AND APPARATUS TO FACILITATE USING MULTIPLE RADIATION-DETECTION VIEWS TO DIFFERENTIATE ONE MATERIAL FROM ANOTHER	22-May-2012	8,184,769	
09-001-US	X-RAY TUBE COOLING BY EMISSIVE HEAT TRANSFER	03-Nov-2015	9,177,754	7017-2555
09-009NP-US	POWER SUPPLY FOR PORTABLE RADIOGRAPHIC DETECTOR	16-Mar-2010	7,679,062	94244SLP
09-012-US	EVACUATED ENCLOSURE WINDOW COOLING	08-Nov-2011	8,054,945	V1001.10127US01
09-015-US	X-RAY TUBE BEARING SHAFT AND HUB	09-Aug-2011	7,995,708	V1001.10128US01
09-020-US	APPARATUS TO FACILITATE CAPTURING SAMPLES AS PERTAIN TO AN OBJECT TO BE IMAGED AND CORRESPONDING METHOD	09-Apr-2013	8,416,919	
09-031-US	LIQUID-COOLED APERTURE BODY IN AN X-RAY TUB METHOD AND APPARATUS PERTAINING TO	E06-Mar-2012	8,130,910	V1001.10127US02
09-035-US	RENDERING AN IMAGE TO CONVEY LEVELS OF CONFIDENCE WITH RESPECT TO MATERIALS IDENTIFICATION	13-Aug-2013	8,508,545	8632/97228 (09-035- US)
09-038-US	TRANSIENT PIXEL DEFECT DETECTION AND CORRECTION	25-Feb-2014	8,660,335	7017-2900
10-002-US	ELECTRICALLY INSULATING X-RAY SHIELDING DEVICES IN AN X-RAY TUBE	19-Feb-2013	8,379,799	V1001.10134US01
10-003-US-C1	LIQUID METAL CONTAINMENT IN AN X-RAY TUBE	01-Mar-2016	9,275,822	V1001.10130US02
10-003-US	LIQUID METAL CONTAINMENT IN AN X-RAY TUBE	30-Oct-2012	8,300,770	V1001.10130US01
10-031-US	CATHODE ASSEMBLY FOR AN X-RAY TUBE INTEGRAL LIQUID-COOLANT PASSAGEWAYS IN AN	28-May-2013	8,451,976	V1001.10131US01
10-036-US	X-RAY TUBE	18-Mar-2014	8,675,819	V1001.10133US01

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10-040-US	INDIRECT X-RAY IMAGER HAVING SEMI- TRANSPARENT LAYERS	11-Feb-2014	8,648,310	5513P029
10-045-US	ACCELERATOR SYSTEM STABILIZATION FOR CHARGED PARTICLE ACCELERATION AND	12-Aug-2014	8,803,453	6120-7-329776.000
	RADIATION BEAM GENERATION			
10-049-US	METHOD AND APPARATUS PERTAINING TO USE OF A SWITCHED VOLTAGE CLAMP WITH AN X-RAY DETECTOR AMPLIFIER	22-Oct-2013	8,565,380	8632-98394-US (10- 049-US)
10-058-US	ASYMMETRIC X-RAY TUBE	21-Oct-2014	8,867,706	V1001.10135US01
10-065-US	ELECTRON EMITTERS FOR X-RAY TUBES	11-Oct-2016	9,466,455	V1001.10140US01
10-066-US	CERAMIC METALLIZATION IN AN X-RAY TUBE	18-Mar-2014	8,675,818	V1001.10137US01
10-067-US	DUAL-ENERGY X-RAY TUBES	26-Apr-2016	9,324,536	V1001.10138US01
11-003-US	SELF-CLINCHING BLIND FLOATING FASTENER	02-Jul-2013	8,475,099	VMS-11-003-US
11-004-US	PHOTO DETECTOR OF AN X-RAY IMAGER	04-Nov-2014	8,878,137	124-0005-US-REG
11-005-US	FLAT PANEL IMAGERS WITH PIXEL SEPARATION AND METHOD OF MANUFACTURING THE SAME	) 10-Jun-2014	8,748,831	VM 11-005-US
11-026-US	X-RAY TUBE CATHODE WITH MAGNETIC ELECTRON BEAM STEERING	20-Dec-2016	9,524,845	V1001.10141US01
11-043-US	X-RAY MATRIX IMAGER	11-Nov-2014	8,884,238	124-0007-US-REG
11-050-US	METHOD AND APPARATUS PERTAINING TO USING IMAGING INFORMATION TO IDENTIFY A SPECTRUM	17-Mar-2015	8,983,234	8632-100680-US(11- 050-US)
11-051-US	ON BOARD DIAGNOSIS OF RF SPECTRA IN ACCELERATORS	04-Nov-2014	8,878,432	VM 11-051-US
11-052-US	CHARGED PARTICLE ACCELERATOR SYSTEMS INCLUDING BEAM DOSE AND ENERGY COMPENSATION AND METHODS THEREFOR	25-Aug-2015	9,119,281	6120-17-330165.000
11-105-US	CATHODE ASSEMBLY FOR A LONG THROW LENGTH X-RAY TUBE	02-Jun-2015	9,048,064	V1001.10143US01
11-106-US	X-RAY TUBE APERTURE HAVING EXPANSION JOINTS	27-Dec-2016	9,530,528	V1001.10142US01
11-109-US	FINNED ANODE	01-Dec-2015	9,202,664	V1001.10144US01
12-001-US	X-RAY TUBE APERTURE BODY WITH SHIELDED VACUUM WALL	06-Dec-2016	9,514,911	V1001.10145US01
12-016-US-C1	UNIVERSAL INTERFACE FOR MEDICAL IMAGING RECEPTORS	14-Feb-2012	8,116,595	672P001C
12-017-US	MULTI-PASS EDGE DETECTION OF COLLIMATOR BLADES IN DIGITAL RADIOGRAPHY IMAGES	15-Jul-2014	8,781,182	VM 12-017-US
12-018-US	IMAGING AUTO SHUTTER ROI	13-Mar-2012	8,135,200	30311326US01
12-019-US	IMAGE STITCHING AND RELATED METHOD THEREFOR	03-Dec-2013	8,600,193	VM 12-019-US
12-020-US	RISE/FALL TIME CONTROL FOR X-RAY PULSES CONVERSION OF EXISTING PORTABLE OR MOBILE	17-Jun-2014	8,755,491	VM 12-020-US
12-021-US	ANALOG RADIOGRAPHIC APPARATUS FOR ENABLING DIGITAL RADIOGRAPHIC APPLICATIONS	25-Mar-2014	8,678,649	VM-12-021-US
12-034-US	SOFT-START ADAPTER FOR AC HEATED ELECTRON GUN	24-Nov-2015	9,198,276	VMS-12-034-US
12-042-US	IMAGING METHOD AND SYSTEM	22-Jul-2014	8,785,872	124-0012-US-REG
12-045-US	BATTERY PACK WITH INTEGRAL SEAL MEMBER AND ELECTRONIC DEVICE INCLUDING THE SAME	23-Feb-2016	9,269,935	7017-3650
12-046-US	METHOD AND APPARATUS FOR PREVENTING ACCESS TO ELECTRICAL CONTACTS	14-Jul-2015	9,083,103	7017-3700
13-020-US	INTERLACED MULTI-ENERGY BETATRON WITH ADJUSTABLE PULSE REPETITION FREQUENCY	10-May-2016	9,338,875	88389-003200US- 871723
13-025-US	FEEDBACK MODULATED RADIATION SCANNING SYSTEMS AND METHODS FOR REDUCED RADIOLOGICAL FOOTPRINT	21-Jul-2015	9,086,496	6120-24\337053
13-028-US	PIXEL CIRCUIT WITH CONSTANT VOLTAGE BIASED PHOTODIODE AND RELATED IMAGING METHOD	28-Jun-2016	9,380,239	124-0015-US-NAT
13-035-US	PIXEL ARCHITECTURE FOR IMAGING DEVICES	22-Nov-2016	9,500,752	7017-4051
14-011-US	REDUCING HEEL EFFECT IN DUAL ENERGY X-RAY IMAGES	27-Dec-2016	9,530,196	V1001.10161US01
14-029-US	FILAMENT FOR X-RAY CATHODE	18-Oct-2016	9,472,371	V1001.10169US01
14-037-US	X-RAY MATRIX IMAGER BASED ON A MULTIPLE- GATE-LINE DRIVING SCHEME AND A SHARED-GATE- LINE DRIVING SCHEME		9,029,794	124-0007-US-CIP1
95-054-US	CHARGE SENSITIVE AMPLIFIER WITH HIGH COMMON MODE SIGNAL REJECTION	<sup>1</sup> 04-Jul-2000	6,084,461	95-054-US
95-056-US-D1	MULTIPLE MODE DIGITAL X-RAY IMAGING SYSTEM	23-Jul-2002	6,424,750	95-056-US-D1
95-056-US-D2	MULTIPLE MODE DIGITAL X-RAY IMAGING SYSTEM	01-Jun-2004	6,744,912	95-056-US-D2
95-056-US	MULTIPLE MODE DIGITAL X-RAY IMAGING SYSTEM	19-Oct-1999	5,970,115	95-056-US
95-057-US	METHOD FOR DISPLAYING DIGITAL X-RAY IMAGE	17-Oct-2006	7,123,687	95-057-US

	DATA AT HIGH RESOLUTION			
96-029-US	HIGH-PERFORMANCE X-RAY GENERATING	05-Sep-2000	6.115.454	96-029-US
90-029-03	APPARATUS WITH IMPROVED COOLING SYSTEM	00-Sep-2000	6,115,454	90-029-03
96-043-US	ELECTRON BEAM SUPERIMPOSITION METHOD AND APPARATUS	01-Dec-1998	5,844,963	96-043-US
97-010-US	X-RAY TUBE ROTATING ANODE	24-Aug-1999	5,943,389	97-010-US
97-047-US	X-RAY GENERATING APPARATUS WITH INTEGRAL HOUSING	01-Sep-1998	5,802,140	97-047-US
97-049-US	AIR COOLED END-WINDOW METAL-CERAMIC X-RAY TUBE FOR LOWER POWER XRF APPLICATIONS	13-Jun-2000	6,075,839	97-049-US
98-003-US	COOLING SYSTEM FOR STATIONARY ANODE X-RAY TUBES	17-Jun-2003	6,580,780	98-003-US
98-004-US	GRAPHITE X-RAY TARGET ASSEMBLY	11-Jul-2000	6,088,426	98-004-US
98-006-US	X-RAY TUBE WINDOW AND FRAME	01-Oct-2002	6,459,768	98-006-US
98-007-US	X-RAY TUBE TARGET ASSEMBLY WITH INTEGRAL HEAT SHIELDS	14-Dec-1999	6,002,745	98-007-US
98-008-US	COOLING SYSTEM FOR AN X-RAY SOURCE	13-Jun-2000	6,074,092	98-008-US
98-009-US	SHAPED TARGET FOR MAMMOGRAPHY	19-Dec-2000	6,163,593	98-009-US
98-041-US-C1	X-RAY GENERATING APPARATUS	26-Jun-2001	6,252,933	98-041-US-C1
98-041-US	X-RAY GENERATING APPARATUS	17-Oct-2000	6,134,299	
98-042-US	ROTARY ANODE FOR AN X-RAY TUBE AND METHOD OF MANUFACTURE THEREOF	06-Aug-2002	6,430,264	98-042-US
98-055-US	COOLED X-RAY TUBE AND METHOD OF OPERATION	04-Dec-2001	6,327,340	98-055-US
98-062-US	STATIONARY ANODE ASSEMBLY FOR X-RAY TUBE	21-May-2002	6,393,099	98-062-US
99-005-US	X-RAY TUBE COOLING SYSTEM	04-Jun-2002	6,400,799	99-005-US
99-006-US	VERTICAL ROTOR BRAZE JOINT WITH RETENTION CHAMFER	11-Dec-2001	6,330,304	99-006-US
99-008-US-D1	X-RAY TUBE AND METHOD OF MANUFACTURE	24-Jun-2003	6,582,531	99-008-US-D1
99-008-US	X-RAY TUBE AND METHOD OF MANUFACTURE	28-Aug-2001	6,282,262	99-008-US
99-022-US	HIGH VOLTAGE RECEPTACLE FOR X-RAY TUBES	17-Dec-2002	6,494,618	99-022-US
99-025-US	INTEGRAL CATHODE	13-Jun-2006	7,062,017	V1001.10010US01
99-026-US	COOLING SYSTEM FOR HIGH POWER X-RAY TUBES	04-Mar-2003	6,529,579	99-026-US
99-027-US	MAMMOGRAPHY X-RAY TUBE HAVING AN INTEGRAL HOUSING ASSEMBLY	26-Mar-2002	6,361,208	99-027-US
99-028-US	DUAL FLUID COOLING SYSTEM FOR HIGH POWER X- RAY TUBES	11-Feb-2003	6,519,317	99-028-US
99-032-US	X-RAY TUBE HAVING AN INTEGRAL HOUSING ASSEMBLY	20-Nov-2001	6,487,273	99-032-US

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