502915143 07/31/2014 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2961741

NATURE OF CONVEYANCE: ASSIGNMENT CONVEYING PARTY DATA Name TOMONARI ISHIHARA Name RECEIVING PARTY DATA KABUSHIKI KAISHA TOSHIBA Street Address: 1-1, SHIBAURA 1-CHOME City: MINATO-KU, TOKYO State/Country: JAPAN Name: TOSHIBA ELECTRON TUBES & DEVICES CO., LTD. Street Address: 1385, SHIMOISHIGAMI City: OTAWARA-SHI, TOCHIGI	Execution Date 07/28/2014				
Name Name TOMONARI ISHIHARA RECEIVING PARTY DAT RECEIVING PARTY DAT Name: KABUSHIKI KAISHA TOSHIBA Street Address: 1-1, SHIBAURA 1-CHOME City: MINATO-KU, TOKYO State/Country: JAPAN Name: TOSHIBA ELECTRON TUBES & DEVICES CO., LTD. Street Address: 1385, SHIMOISHIGAMI	07/28/2014				
TOMONARI ISHIHARA RECEIVING PARTY DATA Name: KABUSHIKI KAISHA TOSHIBA Street Address: 1-1, SHIBAURA 1-CHOME City: MINATO-KU, TOKYO State/Country: JAPAN Name: TOSHIBA ELECTRON TUBES & DEVICES CO., LTD. Street Address: 1385, SHIMOISHIGAMI	07/28/2014				
RECEIVING PARTY DATAName:KABUSHIKI KAISHA TOSHIBAStreet Address:1-1, SHIBAURA 1-CHOMECity:MINATO-KU, TOKYOState/Country:JAPANName:TOSHIBA ELECTRON TUBES & DEVICES CO., LTD.Street Address:1385, SHIMOISHIGAMI					
Name:KABUSHIKI KAISHA TOSHIBAStreet Address:1-1, SHIBAURA 1-CHOMECity:MINATO-KU, TOKYOState/Country:JAPANName:TOSHIBA ELECTRON TUBES & DEVICES CO., LTD.Street Address:1385, SHIMOISHIGAMI					
Street Address:1-1, SHIBAURA 1-CHOMECity:MINATO-KU, TOKYOState/Country:JAPANName:TOSHIBA ELECTRON TUBES & DEVICES CO., LTD.Street Address:1385, SHIMOISHIGAMI					
City: MINATO-KU, TOKYO State/Country: JAPAN Name: TOSHIBA ELECTRON TUBES & DEVICES CO., LTD. Street Address: 1385, SHIMOISHIGAMI					
State/Country:JAPANName:TOSHIBA ELECTRON TUBES & DEVICES CO., LTD.Street Address:1385, SHIMOISHIGAMI					
Name:TOSHIBA ELECTRON TUBES & DEVICES CO., LTD.Street Address:1385, SHIMOISHIGAMI					
Street Address: 1385, SHIMOISHIGAMI					
City: OTAWARA-SHI, TOCHIGI	1385, SHIMOISHIGAMI				
State/Country: JAPAN	JAPAN				
Property TypeNumberApplication Number:29496696					
Fax Number:(202)824-3001Correspondence 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 U					
Phone: (202) 824-3000					
Email: rblackwell@bannerwitcoff.com, BWPTOPAT@l Correspondent Name: BANNER & WITCOFF_LTD	bannerwitcoff.com				
Correspondent Name:BANNER & WITCOFF, LTD.Address Line 1:1100 13TH ST. NW					
Address Line 2: STE 1200					
Address Line 4: WASHINGTON, D.C. 20005					
ATTORNEY DOCKET NUMBER: 001582.00827					
NAME OF SUBMITTER: DARRELL G. MOTTLEY	DARRELL G. MOTTLEY				
SIGNATURE: /Darrell G. Mottley/	/Darrell G. Mottley/				
DATE SIGNED: 07/31/2014	07/31/2014				

14118

	4-07-29 09:24 宛先	;-Banner (D.C.)	様 送信元-SHIMIZU&DAIGO	P0006/0006 T-793
Provide the state of the			6	1753208/ TSDX-FI411
Ref No. COMBINED DECLARATION AND ASSIGNMENT TITLE OF INVENTION:				
TTLE OF INVENTION: X-RAY TUBE FOR MEDICAL DEVICE As a below named inventor, I hereby declare that: DECLARATION As a below named inventor, I hereby declare that: This declaration is directed to:				-
DECLARATION As a below named inventor, I hereby declare that: As a below named inventor, I hereby declare that: This declaration is directed to: Bit The attached application or PCT international application numberfield onfield on		· · · · · · · · · · · · · · · · · · ·		
As a below named inventor, I hereby declare that: • This declaration is directed to: B The attached application, or Uhited States application or PCI international application number field on Uhited States application or a original joint inventor of a claimed invention in the above-identified application. • The above-identified application was made or authorized to be made by me. I hereby acknowledge that any willful faise statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or Uprisonment of not more than five (5) years, or both. • ASSIGNMENT WHEREAS, I, a below named inventor/Assignor, have invented the above invention, having the following application number and filing clate: U.S. Application Nofiled	TITLE OF INVENTION:	X-RAY TUBE FOR MEDICAL		
ASSIGNMENT WHEREAS, I, a below named inventor/Assignor, have invented the above invention, having the following application number and filing cate: U.S. Application No	 This declaration is The att United I believe that I am The above-identifi I hereby acknowledge that 	directed to: tached application, or States application or PCT int the original inventor or an o ed application was made or a t any willful false stateme	ernational application number riginal joint inventor of a claimed invention in th authorized to be made by me.	ne above-identified application.
WHEREAS, I, a below named Inventor/Assignor, have invented the above Invention, having the following application number and filing date: U.S. Application No	imprisonment of not more	than five (5) years, or both.	ASSIGNMENT	· • • • • • • • • • • • • • • • • • • •
If the above lines are blank, I hereby authorize the attorneys for Assignee to insert the filing date and application number immediately above after they become known and prior to recording this document. WHEREAS, Kabushiki Kaisha Toshiba, a corporation duly organized under the laws of Japan, and having its offices and a place of business at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, and Toshiba Electron Tubes and Devices Co., Ltd. a corporation duly organized under the laws of Japan, and having its offices and a place of business at 1385 Shimoishigami, Otawara, Tochigi, Japan ("Assignee") are desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto: NOW, THEREFORE, TO WHOM IT MAY CONCERN , be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent international conventions, treaties, or otherwise), in and to said inventions and in and to all applications are entitled under international conventions, treaties, or sell the inventions, reexaminations, continuation-s, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their assoclated goodWill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on		d Inventor/Assignor, have in		g application number and filing
above after they become known and prior to recording this document. WHEREAS, Kabushiki Kaisha Toshiba, a corporation duly organized under the laws of Japan, and having its offices and a place of business at 1-4, Shibaura 1-chome, Minato-ku, Tokyo, Japan, and Toshiba Electron Tubes and Devices Co., Ltd. a corporation duly organized under the laws of Japan, and having its offices and a place of business at 1385 Shimoishigami, Otawara, Tochigi, Japan ("Assignee") are desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto: NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their assoclated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions assigns, or nominaes, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non- provisional, divisional, reissue, reexamination, continuation and continuations whenever requested, and that I will execute all n	. U.:	5. Application No.	filed	
business at 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan, and Toshiba Electron Tubes and Devices Co., Ltd. a corporation duly organized under the laws of Japan, and having its offices and a place of business at 1385 Shimoishigami, Otawara, Tochigi, Japan ("Assignee") are desirous of acquiring the entire right, title and interest in and to the aforesaid inventions and in and to all applications and Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto: NOW, THEREFORE, TO WHOM IT MAY CONCERN , be it known that, for good and valuable consideration, including salary and/or payment for the making of inventions, or employee benefits, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (Including the right to apply for Letters Patent In foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuations, continuation-In-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non- provisional, divisional, relissue, reexamina				pplication number immediately
payment for the making of inventions, or employee benefits, the receipt and sufficiency of which are hereby acknowledged, I said Assignor, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives, the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto, and throughout the world and in space, (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said inventions and in and to all applications and Letters Patent granted therefor, and all non-provisionals, divisionals, reissues, reexaminations, continuation, continuation-in-parts and extensions thereof, and in and to all copyrights, trademarks with their associated goodwill, trade secrets, confidential information, and compilations, necessary or useful to make, use, or sell the inventions. I hereby authorize and request the Commissioner of Patents, and any official whose duty it is to issue patents, to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that i have full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non- provisional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper paten	business at 1-1, Shibaura organized under the laws ("Assignee") are desirous o	1-chome, Minato-ku, Tokyo of Japan, and having its of f acquiring the entire right, t	, Japan, and Toshiba Electron Tubes and Devi fices and a place of business at 1385 Shimois title and interest in and to the aforesaid inventi	ices Co., Ltd. a corporation duly higami, Otawara, Tochigi, Japan ons and in and to all applications
on said inventions or resulting therefrom to said Assignee, or its successors and assigns, as assignee of the entire right, title and interest. I represent and warrant that I have full right to agree to, execute, and deliver this assignment. I agree that I will without further consideration, but at the expense of Assignee, communicate to said Assignee, or its successors, assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non-provisional, divisional, relssue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries.	payment for the making o Assignor, by these presents exclusive right, title and int world and in space, (includ for such foreign application said inventions and in an reexaminations, continuat	f inventions, or employee h do sell, assign and transfer creat for the territory of the ing the right to apply for Let is to which such application d to all applications and Li ions, continuation-in-parts	penefits, the receipt and sufficiency of which a unto said Assignee, its successors, assigns and i united States of America and all countries fore there Patent in foreign countries in its own name s are entitled under international conventions, etters Patent granted therefor, and all non-p and extensions thereof, and in and to all co	are hereby acknowledged, I said egal representatives, the full and eign thereto, and throughout the e and to claim any priority rights treaties, or otherwise), in and to rovisionals, divisionals, reissues, pyrights, trademarks with their
assigns, or nominees, any and all facts known to me regarding said inventions whenever requested, and that I will execute all non- provisional, divisional, reissue, reexamination, continuation and continuation-in-part applications, testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally do everything reasonable for said Assignee, its successors, assigns, and nominees, to obtain and enforce proper patent protection for said inventions in all countries. INVENTOR/ASSIGNOR Legal Name: Tomonari Isbihara	on said inventions or resu	liting therefrom to said Ass	ignee, or its successors and assigns, as assign	ee of the entire right, title and
Legal Name: Tomonari Ishihara	assigns, or nominees, any provisional, divisional, reis: all lawful papers, make a	and all facts known to me : sue, reexamination, continus Il rightful oaths, and gener	regarding said inventions whenever requested, ation and continuation-in-part applications, test ally do everything reasonable for said Assign	, and that I will execute all non- lify in any legal proceedings, sign
Signature: Tomonari Ishihara Date: 28. Jaly 2014	-			·····
Date: 28. Jah 2014	Signature: 70m	onari Ishihara		
	Date: ユみ.	July 2014		

PATENT REEL: 033430 FRAME: 0185

RECORDED: 07/31/2014