PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Masako OGATA	09/15/2011
Ikuo FUJIWARA	09/13/2011
Hiroto HONDA	09/13/2011
Kazuhiro SUZUKI	09/13/2011
Honam KWON	09/13/2011
Risako UENO	09/13/2011
Hitoshi YAGI	09/13/2011
Masaki ATSUTA	09/13/2011
Koichi ISHII	09/13/2011
Keita SASAKI	09/13/2011
Hideyuki FUNAKI	09/13/2011

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13235388	

CORRESPONDENCE DATA

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PATENT

REEL: 027103 FRAME: 0912

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NAME OF SUBMITTER: Satoshi Asahi

Total Attachments: 2 source=60860#page1.tif source=60860#page2.tif

> PATENT REEL: 027103 FRAME: 0913

Assignment of Application

NSERT NAMES	WHEREAS, I (WE) Masako OGATA, Ikuo FUJIWARA, Hiroto HONDA, Kazuhiro SUZUKI,					
AND RESIDENCE ADDRESS OF THE INVENTORS:	Honam KWON, Risako UENO, Hitoshi YAGI, Masaki ATSUTA, Koichi ISHII,					
	Keita SASAKI and Hideyuki FUNAKI					
	all of c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku,					
	Tokyo, Japan					
	, respectively,					
INSERT TITLE OF INVENTION:	have invented certain new and useful improvements in: <u>UNCOOLED INFRARED IMAGING ELEMENT AND MANUFACTURING MEHOD THEREOF</u>					
	(Application No. <u>13/235,388</u> , filed <u>September 18, 2011</u>), and					
INSERT NAME	WHEREAS, Kabushiki Kaisha Toshiba					
AND ADDRESS OF COMPANY OR OTHER ASSIGNEE	(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent					

that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date:	Sep. 15 2011		Masako Ogata
	•	(Signature of Inventor)	Masako OGATA
Date:	Sep. 13. 2011	(Signature of Inventor)	Azuo Fiejivara
Date:	Sep. 13, 2011 349.13, 2011 ST.Sp.172)//	Hiroro Hords
Date:	Sep. 13, 2011	(Signature of Inventor)	Hiroto HONDA Talozpehiñ Trypehi
Date:	Sep 13th 2011	(Signature of Inventor)	Kazuhiro SUZÜKI Lonom Koon
Date:	Sep. 13. 2011	(Signature of Inventor)	Risaka Vena
Date: _	Sep. 13, 2011	(Signature of Inventor) (Signature of Inventor)	Risako UENO Alitoshi Yagi Hitoshi YAGI
Date: _	Sep. 13,20//		nasaki atsuta Masaki ATSUTA
Date: _	Sep. 13, 2011		ichi Johi
Date: _	Sep. 13, zell	•	ta Sasaki
Date: _	September 13, 2011	Idide	Keita SASAKI Gelloni Funalki
		(Signature of Inventor)	Hideyuki FUNAKI

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12/04