PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3164699

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KABUSHIKI KAISHA TOSHIBA	11/07/2014

RECEIVING PARTY DATA

Name:	TOKYO ELECTRON LIMITED	
Street Address:	3-1 AKASAKA 5-CHOME, MINATO-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	107-6325	
Name:	IBIDEN CO., LTD	
Street Address:	2-1, KANDA-CHO, OGAKI	
City:	GIFU	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	7242206

CORRESPONDENCE DATA

Fax Number: (703)739-2815

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.

Email: iprecordals@cpaglobal.com, shuvina@cpaglobal.com

Correspondent Name: CPA GLOBAL LIMITED Address Line 1: LIBERATION HOUSE CASTLE STREET

Address Line 4: ST HELIER, JERSEY JE1 1BL

NAME OF SUBMITTER:	HELEN BIRRELL	
SIGNATURE:	/H/BIRRELL/IPR/SV/NGB KK Toshiba/AG1PT/	
DATE SIGNED:	12/30/2014	

Total Attachments: 2

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503118091 PATENT REEL: 034596 FRAME: 0716

UNEITO STATES OF AMERICA

ASSIGNMENT

WHEREAS, KABUSHIKI KAISHA TOSHIBA ("Co-ASSIGNOR"), a Corporation [specify entity type—e.g., corporation] organized under the laws of Japan, with a place of business at 1-1, Shibaura 1-Chome, Minato-Ku, Tokyo, Japan, owns the United States Patent(s) (the "Patent(s)") listed on the attached Schedule A; and

WHEREAS,

TOKYO ELECTRON LIMITED ("CO-ASSIGNEE"), a Company [specify entity type—e.g., corporation] organized under the laws of Japan, with a place of business at 3-1 Akasaka 5-chome, Minato-ku, Tokyo 167-6325, Japan

AND,

IBIDEN CO., LTD ("CO-ASSIGNEE"), a Company [specify entity type—e.g., corporation] organized under the laws of Japan, with a place of business at 2-1, Kanda-cho, Ogaki, Gifu 503-8604, Japan, desires to acquire all rights to the Patent(s);

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which ASSIGNOR acknowledges, ASSIGNOR has sold, assigned, transferred, and set over, and does, by this Assignment, sell, assign, transfer, and set over unto CO-ASSIGNEE, all rights to the Patent(s), including reissues and extensions, to be held and enjoyed by CO-ASSIGNEE, its successors, assigns, and legal representatives, for CO-ASSIGNEE's own use and benefit and for the use and benefit of its successors, assigns, and legal representatives, to the end of the term(s) for which the Patent(s) has/have been granted or may be reissued or extended, as fully and entirely as the Patent(s) would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made; together with all claims for profits and damages by reason of past infringement, with the right to sue for and collect the same for the use and benefit of CO-ASSIGNEE, its successors, assigns, and legal representatives.

This Assignment is deemed to have become effective as from: 07 November 2014

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized officer or representative on the date(s) indicated below.

Co- Assignor: KABUSHIKI KAISHA TOSHIBA

Name: Hideo KUMAGAI

Title: General Manager, Intellectual Property Division

Dec 11. 2014.

Date:

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<u>Schedule</u>

Country	IP Grant Number
Country	er crane (quest
USA	7242206

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RECORDED: 12/30/2014