

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3781042

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	DENSO CORPORATION	02/26/2016
RECEIVING PARTY DATA		
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.	
Street Address:	NO.8, LI-HSIN RD. 6, HSINCHU SCIENCE PARK,	
City:	HSINCHU	
State/Country:	TAIWAN	
Postal Code:	30078	
PROPERTY NUMBERS Total: 6		
Property Type	Number	
Patent Number:	6201372	
Patent Number:	6389277	
Patent Number:	6665548	
Patent Number:	6687515	
Patent Number:	6771948	
Patent Number:	6957076	
CORRESPONDENCE DATA		
Fax Number:	(510)580-7280	
<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>		
Email:	USA@JCIPGroup.com.tw	
Correspondent Name:	JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE	
Address Line 1:	7F.-1, NO. 100, ROOSEVELT RD., SEC. 2,	
Address Line 4:	TAIPEI, TAIWAN 100	
ATTORNEY DOCKET NUMBER:	TW0027-DENSO-TSMC	
NAME OF SUBMITTER:	BELINDA LEE	
SIGNATURE:	/Belinda Lee/	
DATE SIGNED:	03/14/2016	
Total Attachments: 2		
source=DENSO-ASSINGMENT#page1.tif		

EXHIBIT A

Patent Assignment

This patent assignment ("Assignment") is entered into as of February 26, 2016 (the "Effective Date"), by and between DENSO CORPORATION ("Seller"), a Japanese corporation, with principal place of business at 1-1, Showa-cho, Kariya-shi, Aichiken, 448-8661 Japan, and Taiwan Semiconductor Manufacturing Co., Ltd. ("Buyer"), a Taiwanese company, with principal place of business at 8, Li-Hsin Rd. 6, Hsinchu Science Park, Hsinchu 300-78, Taiwan, R.O.C.

For good and valuable consideration, the receipt of which is hereby acknowledged, Seller hereby irrevocably assigns to Buyer:

(1) the entire right, title, and interest, everywhere in the world, to

(a) the issued patents identified on Schedule 1, and

(b) any patents that are foreign counterpart of the issued patents identified on Schedule 1, including but not limited to the patents identified on Schedule 2;

(all of the foregoing in (1), collectively, the "Assigned Patents");

(2) the causes of action and right to sue third parties for infringement (including but not limited to past, present and future infringement, damages and injunctive relief) of any of the Assigned Patents based on activities occurring prior to the execution date hereof or hereafter; and

(3) any current or future right to receive royalties based on any of the foregoing in (1) or (2).

The terms and conditions of this Assignment will inure to the benefit of Buyer, its successors, assigns, and other legal representatives and will be binding upon Seller, its successors, assigns, and other legal representatives.

Seller:

Notary Seal:

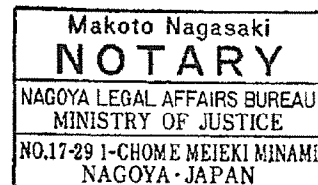
DENSO CORPORATION

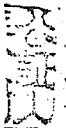
By: 

Name: Toshiyasu Asai

Title: Senior Director, Deputy Head of
Information & Communications Technology
Business Unit

Date: 2/26/2016





CONFIDENTIAL

EXECUTION COPY

SCHEDULE 1

U.S. PATENTS

Patents

US Patent No.	Issue Date	Title
6,201,372	March 13, 2001	Reserve power option for a portable electronic device
6,389,277	May 14, 2002	Cellular call mode determining device
6,665,548	December 16, 2003	Wireless communication device having display panel
6,687,515	February 3, 2004	Wireless video telephone with ambient light sensor
6,771,948	August 3, 2004	Background data queries in wireless web applications
6,957,076	October 18, 2005	Location specific reminders for wireless mobiles

LEGAL
[Signature] 12/15