PATENT ASSIGNMENT COVER SHEET

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CONVEYING PARTY DATA

Name	Execution Date
MICROCHIP TECHNOLOGY (BARBADOS) II INCORPORATED	06/01/2015

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 11

Property Type	Number
Patent Number:	8718207
Patent Number:	8693595
Patent Number:	8451051
Patent Number:	8536907
Patent Number:	8531249
Patent Number:	8571152
Patent Number:	8660221
Application Number:	13469085
Application Number:	13644917
Application Number:	13939443
Patent Number:	8582629

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NAME OF SUBMITTER:	TAR
SIGNATURE:	/Todd Rosson/
DATE SIGNED:	09/18/2015

Total Attachments: 49
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CONFIDENTIAL

COMPANY DISCLOSURE LETTER

This cover page together with the attached Company Disclosure Letter (the "**Company Disclosure Letter**") are being furnished by ISSC Technologies Corp (the "**Company**") in connection with the execution and delivery of that certain Agreement and Plan of Merger, dated as of May 22, 2014, by and between the Company and Microchip Technology (Barbados) II Incorporated (the "**Merger Sub**") (the "**Agreement**"). Unless the context otherwise requires, all capitalized terms used in this Company Disclosure Letter and not otherwise defined herein shall have the meanings ascribed to them in the Agreement.

Headings inserted in this Company Disclosure Letter are for convenience of reference only and shall to no extent have the effect of amending or changing the text of the express description of the Company Disclosure Letter as set forth in the Agreement to which any such Company Disclosure Letter relates.

The information contained in each item of this Company Disclosure Letter shall be treated as Evaluation Material under the December 3, 2013 confidentiality agreement ("**NDA**") signed by the Company and Microchip Technology Incorporated, the ultimate parent company of Merger Sub unless any such information falls under the exceptions in Section 3 of the NDA.

Any matter set forth in any item of this Company Disclosure Letter shall be deemed to be included on all other items of this Company Disclosure Letter (a) which are cross-referenced in such item or (b) where such inclusion is manifestly appropriate.

Section 5.19(a)

List of Registered IP

Item	專利中文名稱/Patent Title	Status	Country	Date of Application	Application Number	Patent Number	Inventor	Key Patent for Current Products
1	無線通訊系統	Granted	Taiwan	2003/11/4	092130757	I227602	彭蔚中、陳政宏	
	'Packet-based multiplication-free CCK demodulator with a fast multipath interference cipher	Granted	USA	2002/11/7	10/289749	7,200,164		
2	降低多路徑干擾遭遇的方法與應用其的耙式接收器	Granted	China	2004/3/2	200410006129.X	200410006129.X	彭蔚中(Wei-Chung Peng)、陳政宏 (Jeng-Hong Chen)	
	Low-complexity joint symbol CCK decoder	Granted	Taiwan	2004/2/25	093104719	I244275		
		Granted	USA	2003/3/5	10/382,756	7,113,553		
3	數位控制調整電路	Granted	Taiwan	2003/8/1	092121219	I205496	莊家碩	
	Digitally controlled tuner circuit	Granted	USA	2003/12/18	10/740331	US 6919759 B2		
4	偵測與補償電流偏差之方法與裝置	Granted	Taiwan	2003/12/26	092136981	I236233	林昂生	
	Apparatus and Method for Detecting and Compensating Current							
5	HYBRID DC-OFFSET REDUCTION METHOD AND SYSTEM FOR DIRECT CONVERSION RECEIVER	Granted	USA	2006/4/5	11/399,127	US 7933361 B2	彭蔚中、莊家碩(Chia-Suo Chuan)、黃光虎(Kuang-Hu Huang)	
6	電流匹配式可變增益放大器	Granted	Taiwan	2005/1/5	094100224	I245487	江銘洲 (Min-Chou Chiang)	
	CURRENT-MATCHING VARIABLE GAIN AMPLIFIER	Granted	USA	2005/5/17	10/908,553	US7,321,266B2		
7	差動放大器與其應用之低電壓降整流器	Granted	Taiwan	2005/5/13	094115507	I258919	黃俊盛	
	DIFFERENTIAL AMPLIFIER AND LOW DROP-OUT REGULATOR WITH THEREOF	Granted	USA	2005/8/1	11/195263	US7,173,401B2		
8	具有直流偏移消減功能之通訊系統、無線區域網路直接轉換裝置以及消減直流偏移之方法	Granted	Taiwan	2005/7/20	094124473	I278203	林華世、陳威宏 、彭蔚中	
	EQUALIZING DEVICE AND METHOD CAPABLE OF WLAN APPLICATIONS	Granted	USA	2005/3/24	11/089,075	US7,496,341B2		
9	接收器的振幅與相位失衡的校準方法和裝置	Granted	Taiwan	2005/6/8	094118894	I279993	吳政炫、吳嘉恩 、林裕鈞	
	APPARATUS AND METHOD TO CALIBRATE AMPLITUDE AND PHASE IMBALANCE FOR COMMUNICATION RECEIVERS							
10	用於正交多頻分工接收器之自適應量化方法及裝置	Granted	China	2007/5/8	200710097330.7	ZL200710097330.7	陳政宏、李宇旼 、林裕鈞	
	Adaptive Quantization Method and Apparatus for an OFDM Receiver	Granted	Taiwan	2007/5/4	096115992	I342701		
		Granted	USA	2006/5/4	11/381,625	US 7,756,222 B2		
11	資料加密方法和裝置	Granted	Taiwan	2005/3/24	094109097	I310648	Lloyd Welch、林華世、陸曉峯	
	GALOIS FIELD COMPUTATION	Granted	USA	2004/12/1	11/000,013	US7,668,895B2		

Item	專利中文名稱/Patent Title	Status	Country	Date of Application	Application Number	Patent Number	Inventor	Key Patent for Current Products
12	提供3維連結交錯及循環傳輸之系統與方法 SYSTEM AND METHOD FOR PROVIDING 2-DIMENSIONAL JOINT INTERLEAVER AND CIRCULATION	Granted	China	2006/10/8	200610140223.3	ZL200610140223.3	Pansop Kim、陳政宏 (Jeng-Hong Chen)	12 or 13 is 802.11n as an optional transmit waveform
		Granted	Taiwan	2007/1/10	095136752	I345395		
		Granted	USA	2005/10/20	11/254359	US7,773,680B2		
13	正交分頻多功之多輸入多輸出系統循環傳輸裝置及方法 METHODS AND APPARATUS FOR CIRCULATION TRANSMISSIONS FOR OFDM-BASED MIMO SYSTEMS	Granted	China	2006/10/8	200610140433.2	ZL200610140433.2	Pansop Kim、陳政宏 (Jeng-Hong Chen)	12 or 13 is 802.11n as an optional transmit waveform
		Granted	Taiwan	2007/1/10	095136751	I324002		
		Granted	USA	2005/10/6	11/244,607	US7,593,472B2		
14	藍芽裝置之偵測啓動方法及其控制系統 Detecting and Acuating Method of BT Devices and a Control System Thereof	Granted	Taiwan	2003/7/24	092120264	I234729	沈志祥、唐淑芬	
15	網路微控制器及其在無線網路中傳送及接收資料之方法 System and Architecture for a Network Micro-	Granted	Taiwan	2003/12/2	092133796	I243565	吳炯憲、楊榮根、Daniel Greenhoe、Andy	
16	應用於無線區域網路之通道估計的方法及其系統 Method and System for Channel Estimation in WLAN	Granted	Taiwan	2003/10/15	092128162	I231116	馬廣平、吳建中 、邱佳永、黃貞炎	
		Granted	USA	2003/11/26	10/721,355	US7,272,165B2		
17	無線區域網路之封包格式仲裁器及其仲裁方法 Packet Type Arbitration in WLANand Corresponding Arbitrating Method	Granted	Taiwan	2003/10/9	092128163	I235571	陳逸萍、馬廣平、邱佳永、黃文佐、廖彥欽	
		Granted	USA	2003/11/24	10/718,624	US7,308,002B2		
18	應用於藍芽無線網路之頻道品質估計方法 Channel Quality Evaluation Method Applicable to Bluetooth	Granted	Taiwan	2003/11/7	092131315	I228353	陳逸萍、馬廣平 李崇義、游曜駿	
19	步級阻抗諧振器之雙頻濾波器 Dural-Band Bandpass Filter with Stepped-Impedance Resonators	Granted	USA	2004/11/2	10/978,395	US7,102,470B2	張盛富、陳佳良、陳詩傑、張舜乾、陳泓誠、唐淑芬、陳逸萍	
20	帶通放大器電路 BANDPASS AMPLIFIER	Granted	Taiwan	2004/6/28	093118902	I238595	張盛富、陳佳良、劉政成、陳泓誠、唐淑芬、陳逸萍	
			USA	2004/7/2	10/882,215	US7,245,186B2		
21	靴帶式寬邊耦合器 Shoelace Type Broadside Coupler Field of The Invention	Granted	Taiwan	2004/1/9	093100588	I280681	張盛富、陳佳良、吳權庭、蔡卓數、蔡宗憲、陳泓誠、唐淑芬、陳逸萍	
22	互補碼移位鍵基本循序解碼器及其方法 Complementary Code Keying (CCK) Sequentially Decoding Apparatus and Process Thereof (JOANLING)	Granted	Taiwan	2003/12/26	092137241	I252627	黃貞炎、馬廣平 林俊昌、陳逸萍	
		Granted	USA	2004/4/7	10/819,319	US7,330,522B2		
23	自動增益控制器及其控制方法 Automatic Gain Control and Its Controlling Method	Granted	Taiwan	2003/12/23	092136616	I228345	馬廣平、邱佳永、黃文佐、陳逸萍	
		Granted	USA	2004/3/12	10/798,393	US7,336,743B2		
24	一種用於多種標準共存通訊系統之三頻增益放大器 Concurrent Triple Band Gain Amplifier for Use in a Wireless Communication System	Granted	Taiwan	2005/5/31	094117860	I271028	張盛富、陳文林、陳泓誠、唐淑芬、陳逸萍	
		Granted	USA	2005/7/8	11/147,458	7,193,477		

Item	專利中文名稱/Patent Title	Status	Country	Date of Application	Application Number	Patent Number	Inventor	Key Patent for Current Products
25	雙頻功率放大器 Concurrent Dual-band Power Amplifier	Granted	Taiwan	2004/10/1	093129877	I248253	張盛富、陳文林、鄧微引、陳泓誠、唐淑芬、	
26	雙頻主動式濾波器 Dual Bank Active Filter	Granted	USA	2004/8/17	11/187,844	US7,340,237B2	張盛富、陳文林、徐育達、陳泓誠、唐淑芬、陳逸萍	
27	雙頻共構系統之天線分集開關 Antenna Diversity Switch for Dual Mode Co-Existence Systems	Granted	China	2005/9/8	2005100899600	ZL200510089960.0	張盛富、陳文林、盧宜佑、陳泓誠、唐淑芬、陳逸萍	
		Granted	Taiwan	2004/10/6	93130263	I280741		
		Granted	USA	2005/6/7	11/145,943	7,505,790		
28	雙頻無線區域網路射頻收發模組 Dual-Band Wireless LAN RF Transceiver	Granted	Taiwan	2004/11/10	0093134343	I253241	張盛富、陳文林、蔡承樺、簡志宏、陳泓誠、唐淑芬、陳逸萍	
		Granted	USA	2005/6/11	11/149,230	7,444,167		
29	通訊網路交換系統及該系統所使用之方法 Communication Network Switching System and Method	Granted	Taiwan	2004/12/22	093140091	I262671	江克力、陳逸萍	
		Granted	USA	2004/12/30	11/024,800	7,440,753		
30	多層陶瓷技術慮波器及其結構 Filter Using Multilayer Ceramic Technology and Structure Thereof	Granted	USA	2004/4/26	10/831,318	7,012,484	張盛富	
31	快速藍芽無線頻道品質更新之方法 Method of Rapid Refreshing Channel Quality in a Bluetooth	Granted	China	2005/8/1	200510088677.6	ZL200810088677.6	馬廣平、游曜駿、李崇義(Chung-I Lee)、楊榮根(Rongken	
		Granted	Taiwan	2005/1/26	094102327	I261963		
32	適應性增強一發射端與一接收端之藍芽傳輸速率之方法 METHOD FOR ENHANCING BLUETOOTH TRANSMISSION SPEED AND POBUSTNESS OF EMITTING END AND RECEIVING END OF	Granted	China	2006/1/23	200610001739.X	200610001739.X	陳逸萍、馬廣平、黃文佐	
		Granted	Taiwan	2006/1/13	095101518	I323591		
		Granted	USA	2007/1/12	11/652,514	7,756,213		
33	用於藍芽系統的角色交換方式 Role exchange method for Bluetooth system	Granted	China	2006/4/11	200610066755.7	ZL200610066755.7	李崇義 (Chung-I Lee), 游曜駿, 陳逸萍	
		Granted	Taiwan	2006/3/30	095111151	I337813		
34	在藍芽系統中接收遠距離訊號之裝置與方法 Method and Apparatus for Reception Range Signals	Granted	China	2007/2/7	CN200710006215.4	ZL200710006215.4	陳逸萍、馬廣平、黃文佐	
		Granted	Taiwan	2006/7/28	095127796	I317579		
		Granted	USA	2006/5/18	11/435,948	US 7,949,327 B2		
35	鋰電池充電控制系統 Charging Control System for Lithium Battery	Granted	Taiwan	2006/8/2	095128384	I324410	許智閔、蘇逢成、陳逸萍、王瑞良、黃遠昱、古政杰	
		Granted	USA	2006/9/6	11/515728	7,482,782		
36	用於數字與多入多出通訊系統錯誤向量量測的裝置與方法 APPARATUS AND METHOD OF ERROR VECTOR MMEASUREMENT FOR DIGITAL AND MULTIPLE-INPUT	Granted	China	2008/5/28	200810109522.X	ZL200810109522.X	Pansop Kim、陳政宏	
		Granted	Taiwan	2008/4/15	097113713	I356609		
		Granted	USA	2008/1/8	11/971,095	US 8,036,298 B2		
37	一種用於IEEE802.11n通訊系統之短訊練欄位之產生方法 Short Training FIELD Generator in IEEE 802.11n	Granted	China	2008/5/28	200810110749.6	ZL200810110749.6	陳政宏	
		申請中	Taiwan	2008/4/15	097113714			
		Granted	USA	2008/3/6	12/043,722	US8,072,959 B2		
38	無線指向輸入裝置之操作方法 OPERATION METHOD OF WIRELESS POINTING INPUT	Granted	China	2007/1/29	200710006179.1	200710006179.1	吳欣儒、張宏茂、 楚欣凌、陳逸萍	
		Granted	Taiwan	2007/1/3	096100204	I344096		

Item	專利中文名稱/Patent Title	Status	Country	Date of Application	Application Number	Patent Number	Inventor	Key Patent for Current Products
39	雙向無線週邊裝置之省電方法 POWER SAVING METHOD OF BI-DIRECTIONAL COMMUNICATION WIRELESS PERIPHERAL DEVICE	Granted	China	2007/3/7	200710087713.6	ZL200710087713.6	吳欣儒、蘇達成、陳逸萍	
		Granted	Taiwan	2007/2/27	096106812	I342487		
		Granted	USA	2007/5/30	11/755,005	7,900,070		
40	兩段式壓控振盪器校正方 Two step VCO calibration method	Granted	China	2008/11/10	200810173599.3	ZL200810173599.3	陳宜隆 (Yi-Lung Chen)	0.16um/55nm BT/WN RFIP (VCO calibration)
		Granted	Taiwan	2008/10/31	097142028	I376880		
		Granted	USA	2008/9/5	12/204,979	US7907021 B2		
41	適應性接收器 Adaptive Low Intermediate	Granted	Taiwan	2010/4/29	099113658	I399916	陳鵬森(Peng-Sen Chen)、何祥德 (Hsiang-Te	0.16um/55nm BTRF IP
		Granted	USA	2009/10/14	12/579,306	US8140038B2		
42	**通訊系統之任意移頻器 A SIMPLE AND OPTIMAL**	**Granted**	**China**	**2010/4/13**	**201010145506.3**	**ZL201010145506.3**	**陳政宏 (Jeng-Hong Chen)**	**WFR patent avoidance**
		Granted	**Taiwan**	**2010/3/18**	**99108059**	**I420807**		
		Granted	**USA**	**2009/9/29**	**12/569,290**	**US8,437,427B2**		
43	無線電語音資料傳輸系統語音品質改善方法	Granted	China	2009/10/13	200910181183.0	ZL200910181183.0	江克力、彭蔚中 、李崇義	Bluetooth voice quality
		Granted	Taiwan	2009/7/7	098122974	I426736		
44	用於一藍芽接收器的簡化擷取裝置及方法 A SIMPLIFIED ACQUISITION	**申請中**	China	2000/2/1	201010288892.1		陳政宏、Pansop、劉欣庠、紀信旭	Used in current product
		Granted	Taiwan	2010/6/11	099119037	I420831		
		Granted	USA	2010/2/4	12/700,623	US 8,509,361 B2		
45	用以量測高斯移頻鍵控制訊號品質的設備及方法 APPARATUS AND METHOD FOR SIGNAL	Granted	China	2010/10/18	201010510320.3	ZL201010510320.3	陳政宏、Pansop、劉欣庠	Used in current product
		Granted	Taiwan	2010/9/30	099133345	I430626		
		Granted	USA	2009/10/19	12/581,418	US8,243,781B2		
46	用於接收器內數位相位調變信號之參考相位追蹤的方法和裝置 APPARATUS AND METHOD FOR	Granted	China	2010/8/17	201010255292.5	ZL 201010255292.5	Pansop、陳政宏、劉欣庠	Used in current product
		Granted	Taiwan	2010/4/29	099113634	I407737		
		Granted	USA	2009/10/19	12/581,607	US8,300,736B2		
47	接收機及其符元解碼器 RECEIVERS AND SYMBOL DECODERS THEREOF	申請中	China	2010/12/30	201010616275.X		彭蔚中 (Wei-Chung Peng)、陳政宏 (Jeng-Hong Chen)、Pansop Kim	Improved Bluetooth GFSK Receiver Sensitivity by 2 dB
		Granted	Taiwan	2010/7/26	099124499	I431988		
		Granted	USA	2009/12/14	12/637,388	US8,259,862B2		
48	語音偵測方法 Speech detection method using multiple voice	Granted	China	2010/3/23	201010139851.6	ZL201010139851.6	林穎聰、丁永貞、Pansop Kim	
		Granted	Taiwan	2010/3/17	099107897	I408673		
		Granted	USA	2010/7/30	12/847554	US8,332,219B2		
49	輸入裝置(新型)	Granted	China	2010/4/6	201020164797.6	ZL201020164797.6	陳宏智、吳欣儒	
		Granted	Japan	2010/5/19	2010-003272	2010-003272		
		Granted	Taiwan	2010/3/17	099204697	M385748		
50	無線通訊收發機 'WIRELESS COMMUNICATION	申請中	China	2010/5/28	201010188522.0		江銘洲、黃信傑	
		Granted	Taiwan	2010/5/14	099115537	I404348		
		Granted	USA	2010/9/28	12/892705	US8,489,035		
51	無線通信收發機 WIRELESS COMMUNICATION	Granted	China	2010/6/8	201010197035.0	ZL201010197035.0	江銘洲、黃信傑	0.16um BTRF IP
		Granted	Taiwan	2010/5/14	099115545	I415401		
		Granted	USA	2010/10/27	12/913,541	US8,442,453B2		
52	一種切換式調整器之靜電放電保護電路 New ESD Protection Skill for Switching Regulator	申請中	China	2011/3/3	201110051739.1		陳鵬森	
		Granted	Taiwan	2010/12/16	099144249	I415246		
		Granted	USA	2010/9/28	12/892,179	US8,208,234B2		
53	一種用於音頻系統之抑制爆裂音的三級電源供應順序電路 A circuit with three-stage of power-on sequence used	申請中	China	2011/4/15	CN201110095838.X		黃信傑 (Hsin-Chieh Huang)、陳宜隆 (Yi-Lung Chen)	0.16um Audio Codec IP
		申請中	Taiwan	2011/3/31	100111210			
		Granted	USA	2011/1/13	13/005,609	US8,447,046B2		
54	具有整合電源管理與充電單元之電池供電裝置 A battery powered apparatus with the circuit	申請中	China	2011/8/24	201110247660.6		莊家碩、王瑞良	
		申請中	Taiwan	2011/8/10	100128521			
		Granted	USA	2011/10/10	13/269,649	US8,664,913B2		

Item	專利中文名稱/Patent Title	Status	Country	Date of Application	Application Number	Patent Number	Inventor	Key Patent for Current Products
55	金氧半場效晶體管佈局結構	申請中	China	2011/7/12	201110194816.9		莊家碩、賴宜賢、吳美珍	
	A layout method for power MOS array	申請中	Taiwan	2011/4/28	100114773			
56	具有偵測製程邊界角與異	申請中	China	2011/8/16	201110235305.7		陳宜隆	
	CMOS process indicator with extreme temperature alerts	Granted	Taiwan	2011/7/7	100124037	I420123		
		Granted	USA	2011/5/17	13/109,858	US8,451,047B2		
57	用於無線通訊之可適性接收方法	申請中	China	2012/5/9	201210141395.8		陳政宏、陳鵬森、何祥德、黃光虎、黃志清、張欽彰	0.16um/55nm BT RF/Modem
	A method used for providing an adaptive receiving in wireless	申請中	Taiwan	2012/5/9	101116496			
		申請中	USA	2012/5/8	13/466,848			
58	可適性無線通訊接收器	申請中	China	2012/5/9	201210143685.6		陳政宏、陳鵬森、何祥德、黃光虎、黃志清、張欽彰	0.16um/55nm BT RF/Modem
	An adaptive wireless communication receiver	申請中	Taiwan	2012/5/9	101116497			
		申請中	USA	2012/5/8	13/466,884			
59	雙模態δ-Δ類比至數位轉換器與其電路	申請中	China	2011/10/27	201110332571.1		陳宜隆	
	a dual mode sigma delta analog to digital converter	申請中	Taiwan	2011/10/6	100136372			
		Granted	USA	2011/10/4	13/252,981	US8,451,051B2		
60	一種雙工輸入裝置	Granted	China	2011/9/26	201120364075.X	ZL201120364075.	林京元、朱欣、 陳宏智	
	A dual input device	Granted	Taiwan	2011/9/9	100216980	M423966		
61	啟動重置信號產生裝置及方法	申請中	China	2011/11/14	201110359071.7		陳宜隆 (Yi-Lung Chen)	55nm POR IP
	POWER ON RESET SIGNAL GENERATING	申請中	Taiwan	2011/10/14	100137345			
		Granted	USA	2011/9/24	13/244,279	US8,536,907B2		
62	電荷泵電路及鎖相迴電路	申請中	China	2012/2/6	201210025068.6		陳宜隆	
	CHARGE PUMP CIRCUIT AND PHASE LOCK LOOP CIRCUIT	申請中	Taiwan	2011/12/27	100148926			
63	產生可調整輸出信號頻率的振盪器	申請中	China	2012/2/6	201210025335.X		陳宜隆 (Yi-Lung Chen)	55nm ULPC IP
	OSCILLATOR FOR GENERATING OUTPUT	申請中	Taiwan	2011/12/29	100149635			
		申請中	USA	2011/12/16	13/327,766	US8,531,249B2		
64	可節能之無線接收器與系統及其操作之方法	申請中	China	2012/12/24	201210568697.3		陳政宏、張欽彰 黃光虎、黃志清 孫哲康、黃俊淵	
	POWER-SAVING APPARATUS USED FOR	申請中	Taiwan	2012/8/6	101128327			
		Granted	USA	2012/5/22	13/477,390	US8,571,152B1		
65	快速且穩健之自動增益控制裝置及其操作之方法	申請中	China	2012/10/24	201210410792.0		陳政宏、楊惠民、 黃志清	
	FAST AND ROBUST AGC APPARATUS AND	申請中	Taiwan	2012/8/13	101129131			
		Granted	USA	2012/6/14	13/517,729	US8,660,221B2		
66	音訊放大裝置	申請中	China	2012/5/9	201210142044.9		陳宜隆 (Yi-Lung Chen)、黃信傑 (Hsin-	55nm Audio Codec IP
	AUDIO AMPLIFIER APPARATUS	申請中	Taiwan	2012/3/29	101111119			
		申請中	USA	2012/5/10	13/469,085			
67	具有補償直流偏移之直接轉換收發器與其操作方法	申請中	China	2012/8/9	201210283455.X		陳鵬森 (Peng-Sen Chen)、江銘洲 (Ming-Chou Chiang)、江奎儒 (Kwei-Ru Chiang)	55nm BT/WiFi RFIP
	A direct-conversion transceiver with dc offset compensation and the operation method using the same.	申請中	Taiwan	2012/7/12	101125166			
		申請中	USA	2012/10/4	13/644,917			
68	使用類比數位轉換器進行寬頻接收訊號強度指示偵測之電路與方法	申請中	China	2012/8/21	201210299667.7		陳鵬森 、陳美秀 、陳政宏	
	A circuit with WideBand received signal strength indicator detection and auto gain control and method thereof	申請中	Taiwan	2012/7/12	101125161			
		申請中	USA	2013/7/11	13/939,443			
69	無線信號傳收裝置	申請中	China	2012/6/12	201210191510.2		陳鵬森 (Peng-Sen Chen)、江銘洲 (Ming-Chou Chiang)	55nm BT+WiFi Combo RFIP
	WIRELESS SIGNAL TRANSCEIVING APPARATUS	申請中	Taiwan	2012/4/26	101114937			
		Granted	USA	2012/8/15	13/586,842	US8,582,629B2		

Item	專利中文名稱/Patent Title	Status	Country	Date of Application	Application Number	Patent Number	Inventor	Key Patent for Current Products
70	輸出輸入介面裝置	申請中	China	2012/6/12	201210191571.9		陳鵬森	
		申請中	Taiwan	2012/4/26	101114938			
71	切換式濾波電路及其操作之方法 Filtering circuit and the operation method using the same	申請中	China	2012/10/26	201210415966.2		江奎儒	55nm RFIP (Filter)
		申請中	Taiwan	2012/10/9	101137325			
		申請中	USA	2013/7/2	13/933,969			
72	電源切換電路及採用此電源切換電路之電子裝置	申請中	China	2012/6/14	201210196532.8		江奎儒	
		申請中	Taiwan	2012/6/4	101119938			
73	穩流電路與其電子裝置	申請中	China	2012/6/19	201210203168.3		莊家碩、楊宗翰	
		申請中	Taiwan	2012/6/4	101119939			
74	低壓降穩壓器與其電子裝置 Low dropout voltage regulator and electronic	申請中	China	2012/7/31	201210268720.7		陳宜隆 (Yi-Lung Chen)	55nm RFLDO
		申請中	Taiwan	2012/7/13	101125343			
		申請中	USA	2012/9/15	13/620929			
75	一種以最小延遲無線傳輸優先權化遊戲影音之系統 A SYSTEM TO DELIVER PRIORITIZED GAME	申請中	China	2012/7/24	201310314531.3		彭其琁、劉勝	
		申請中	Taiwan	2013/7/18	102125775			
		申請中	USA	2012/7/24	61/675,080			
76	靜電放電保護電路、偏壓電路與電子裝置 ESD PROTECTION CIRCUIT、BIAS CIRCUIT AND ELECTRONIC APPARATUS	申請中	China	2012/12/27	201210578414.3		陳哲宏、楊宗翰	
		申請中	Taiwan	2012/12/7	101146154			
77	耳機裝置及其音訊驅動裝置 HEADPHONE APPARATUS AND	申請中	China	2013/1/21	201310022693.X		陳宜隆 (Yi-Lung Chen)、蘇達成 (Da-Cheng Su)	55nm (5506) Audio Codec IP
		申請中	Taiwan	2012/12/26	101150243			
		申請中	USA	2012/11/19	13/680,112			
78	電壓產生器 VOLTAGE GENERATOR	申請中	China	2013/1/24	201310028361.2		莊家碩、楊宗翰	
		申請中	Taiwan	2012/12/13	101147281			
		申請中	USA	2013/2/21	13/773,608			
79	靜電放電防護裝置及其電子裝置 Electrostatic Discharge Protection Device and	申請中	China	2013/3/15	201310084509.4		陳哲宏	
		申請中	Taiwan	2013/2/8	102105366			
		申請中	USA	2013/7/11	13/939382			
80	時脈裝置 Clock Apparatus	申請中	China	2013/4/22	201310140961.8		陳宜隆 (Yi-Lung Chen)	55nm ULPC LPO IP
		申請中	Taiwan	2013/3/28	102111158			
		申請中	USA	2013/2/19	13/769,829			
81	電壓產生器 Voltage Generator	申請中	China	2013/4/27	201310152353.9		陳宜隆 (Yi-Lung Chen)	55nm PTS (Temp Sensor) IP
		申請中	Taiwan	2013/3/28	102111156			
		申請中	USA	2013/2/19	13/769,830			
82	多系統整合的調變模組及其通訊裝置 MULTI-SYSTEMS INTEGRATED	申請中	China	2013/8/15	201310358726.8		陳鵬森	
		申請中	Taiwan	2013/8/2	102127755			
		申請中	USA	2013/10/31	14/068096			
83	藍牙通信系統及其廣播方法 BLUE-TOOTH COMMUNICATION	申請中	China	2013/11/14	201310566172.0		張力偉、李崇義	multi-speaker application
		申請中	Taiwan	2013/10/16	102137362			
		申請中	USA	2013/8/26	14/010,516			
84	電壓產生裝置 VOLTAGE GENERATING	申請中	China	2013/10/16	201310484950.1		陳宜隆 (Yi-Lung Chen)	55nm ULPC next generation IP
		申請中	Taiwan	2013/9/13	102133283			
		申請中	USA	2013/8/9	13/962,975			
85	晶片與靜電放電保護元件及其製造方法 Chip, Electrostatic discharge protection device	申請中	China	2013/11/5	201310542131.8		陳哲宏	
		申請中	Taiwan	2013/10/23	102138222			
		申請中	USA	2014/1/16	14/156729			
86	一種靜電放電保護電路 A electrostatic discharge protection circuit	申請中	Taiwan	2014/3/14	103109429		陳哲宏	
87	藍牙介面的資料傳輸系統及傳輸方法	申請中	Taiwan	2014/4/14	103113559		李崇義 (Chung-I Lee)、楚欣凌	multi-speaker

INTELLECTUAL PROPERTY BUY-IN AGREEMENT

This Intellectual Property Buy-in Agreement (the "Agreement") is effective as of the 1st day of June 2015 ("Effective Date") by and between Microchip Technology (Barbados) II Incorporated, a company incorporated under the laws of the Cayman Islands with registered address at c/o Intertrust Corporate Services (Cayman) Limited, 190 Elgin Avenue, George Town, Grand Cayman KY1-9005 ("M-BARB II") and Microchip Technology Incorporated, a Delaware corporation, with principal offices located at 2355 West Chandler Boulevard, Chandler, Arizona ("MICROCHIP").

RECITALS

WHEREAS, on May 22 2014, M-BARB II entered into an agreement with ISSC Technologies Corp. ("ISSC"), under which the parties agreed to a merger of M-BARB II into ISSC; with M-BARB II being the surviving corporation;

WHEREAS, the merger of M-BARB II and ISSC closed on May 30, 2015 (the "Closing Date"), on which date ISSC ceased to exist and M-BARB II became the ultimate legal and beneficial owner of the ISSC IP described in Schedule I (the "ISSC IP");

WHEREAS, M-BARB II is a wholly owned subsidiary of MICROCHIP;

WHEREAS, M-BARB II and MICROCHIP are members of a Research and Development Cost Sharing Agreement ("RDCSA") dated April 1st, 2000;

WHEREAS, the ISSC IP is valued at [redacted]; and

WHEREAS, MICROCHIP and M-BARB II desire that M-BARB II sell the ISSC IP to MICROCHIP with respect to the Territory listed in Schedule II.

NOW, THEREFORE, in consideration of the mutual covenants and undertakings herein contained, M-BARB II and MICROCHIP, intending to be legally bound, covenant and agree as follows:

AGREEMENT

Subject to the terms and conditions of the RDCSA, M-BARB II hereby agrees to sell the ISSC IP in the Territory to MICROCHIP as of the Effective Date. The consideration paid by MICROCHIP for the ISSC IP is controlled by the terms and conditions of the RDCSA, and is a lump sum, nonrefundable payment equal to 20% of the Value, or approximately [redacted]

SECTION 1

ISSC INTELLECTUAL PROPERTY

1.1 ***Ownership and Filings.***

(a) MICROCHIP and M-BARB II agree that legal title to the ISSC IP should rest in one party in order to most effectively protect the ISSC IP by making it easier to prosecute claims against infringers, and agree that MICROCHIP shall hold legal title to the ISSC IP, subject to the rights granted below. Title to any improvements, extensions, derivatives, or other modifications of the ISSC IP (collectively, "Improvements") which are conceived or developed by employees of either party or of both parties, or any of the employees of direct or indirect subsidiaries of those parties whose rights are assigned up to either party, shall be and remain in MICROCHIP, and M-BARB II does hereby assign all of its right, title and interest in and to such Improvements to MICROCHIP. M-BARB II agrees to assist MICROCHIP, or its designee, at MICROCHIP's expense, to secure MICROCHIP's rights in the Improvements, including the execution of all applications, specifications, oaths, assignments and all other instruments which MICROCHIP shall deem necessary in order to apply for and obtain such rights and in order to assign and convey to MICROCHIP, its successors, assigns and nominees the sole and exclusive right, title and interest in and to such Improvements.

(b) MICROCHIP shall have the sole right, responsibility and obligation for filing patent applications and copyright and mask work registrations ("Filings"). MICROCHIP will bear the expenses of preparing, filing and prosecuting those applications and of paying any taxes, annuities or maintenance fees on the pending applications and on any patent, copyright or mask work rights issued thereon. M-BARB II shall at no charge to MICROCHIP furnish all documents and other assistance reasonably requested for the purpose of the filing and prosecution of such Filings. All Filings and any patents, copyrights and mask work rights issuing on inventions within the ISSC IP will be filed and held in the name of MICROCHIP.

1.2 ***Rights to Use ISSC IP.*** Subject to the terms and conditions of this Agreement, MICROCHIP hereby grants to M-BARB II a nonexclusive, revocable, royalty-free right and license, under any ISSC IP, or Improvements thereto to practice, use and modify the ISSC IP and Improvements in order to develop, use, make, have made, sell and otherwise distribute, directly or indirectly, products in Territory.

1.3 [redacted]

SECTION 2

DELIVERY OF ISSC INTELLECTUAL PROPERTY

2.1 ***Disclosure of ISSC IP.*** Subject to the provisions of this Section 2, each party shall exercise reasonably diligent efforts to disclose and deliver to the other party the ISSC IP and Improvements, to the extent not otherwise in such receiving party's possession, as promptly as practicable during the term of this Agreement. A delivering party shall exercise reasonably diligent efforts to ensure the accuracy of all ISSC IP and Improvements provided but does not warrant that all such ISSC IP or Improvements will be accurate in all respects.

2.2 ***ISSC IP Documentation.*** All documentation relating to ISSC IP and Improvements (collectively, the "ISSC IP Documentation") shall be in the English language and shall be in accordance with United States standards, measurements and practices. The costs of any translation of the ISSC IP Documentation and adaptation of it for a particular country shall be borne by the party desiring such translation.

2.3 ***Delivery Restrictions.*** No ISSC IP Documentation (collectively "Documentation") shall be delivered within the State of Arizona unless such delivery is by means of remote telecommunications or unless the parties hereto are satisfied that such transfer will not incur a sales or use tax liability. Any attempted transfer contrary to the terms hereof shall be void and of no effect. If the delivery is made by remote telecommunications, the parties shall keep a detailed contemporaneous log documenting each transmission by date, time, place, and the individuals responsible for such transmission.

2.4 ***Compliance With U.S. Export Laws.*** Each party agrees that it will not export or re-export any technical data, direct products thereof or any other items in any way which will violate any United States export control laws.

2.5 ***Confidentiality.*** Notwithstanding any failure to so mark it, all information included or embodied in the Documentation shall be deemed Confidential Information.

SECTION 3

BEARING OF RISKS, NO ASSURANCE OF SUCCESS

3.1 Each party conducting research and development shall be solely responsible to use commercially reasonable efforts to design and develop the products, devices and processes contemplated by the research program. No party warrants or guarantees that such product or process design or development efforts will be successful or accomplished in a timely manner or that the ISSC IP or any Improvement will be commercially viable. No party hereto shall be liable to the other party hereto for failure to create ISSC IP or any Improvement in accordance with this Agreement. Notwithstanding anything to the contrary herein, each party shall bear its share of the research and development costs regardless of whether any ISSC IP or Improvements are in fact

produced by the research program and regardless of whether the parties realize any income from any ISSC IP or Improvements.

SECTION 4

[redacted]

4.1 [redacted]

4.2 [redacted]

(a) [redacted]

(b) [redacted]

(c) [redacted]

(d) [redacted]

(e) [redacted]

(f) [redacted]

(g) [redacted]

4.3 [redacted]

[redacted]

4.4 [redacted]

SECTION 5

GENERAL

5.1 ***Assignment***. M-BARB II may not assign its rights or obligations under this Agreement without the prior written consent of MICROCHIP, and any purported assignment without such consent shall have no force or effect. Subject to the foregoing, this Agreement shall bind and inure to the benefit of the respective parties hereto and their successors and assigns.

5.2 ***Waiver***. Any waiver by any party of any default by the other hereunder shall not be deemed to be a continuing waiver of such default or a waiver of any other default or of any of the terms and conditions of this Agreement.

5.3 ***Amendments***. The terms and conditions of this Agreement may not be superseded, modified, or amended except in writing stating that it is such a modification and signed by an authorized representative of each party hereto.

5.4 ***Governing Law; Forum Selection***. This Agreement shall be governed by the laws of the State of Arizona, U.S.A., without reference to conflict of laws principles. All disputes arising out of this Agreement shall be subject to the exclusive jurisdiction and venue of the Arizona state courts of Maricopa County (or, if there is exclusive federal jurisdiction, the United States District Court for the District of Arizona), and the parties consent to the personal and exclusive jurisdiction and venue of these courts.

5.5 [redacted]

5.6 ***Complete Agreement***. This Agreement constitutes the entire agreement between the parties as to the subject matter hereof, and supersedes and replaces all prior or contemporaneous agreements, written or oral, regarding such subject matter.

5.7 [redacted]

[redacted]

5.8 [redacted]

5.9 ***Headings; Counterparts.*** Headings to Sections of this Agreement are to facilitate reference only, do not form a part of this Agreement, and shall not in any way affect the interpretation hereof. This Agreement may be executed in two (2) or more English language counterparts or duplicate originals, all of which shall be regarded as one and the same instrument, and which shall be the official and governing version in the interpretation of this Agreement.

5.10 ***Partial Invalidity.*** If any provision in this Agreement shall be found or be held to be invalid or unenforceable in any jurisdiction in which this Agreement is being performed, then the meaning of said provision shall be construed, to the extent feasible, so as to render the provision enforceable, and if no feasible interpretation would save such provision, it shall be severed from the remainder of this Agreement which shall remain in full force and effect. In such event, the parties shall negotiate, in good faith, a substitute, valid and enforceable provision which most nearly effects the parties' intent in entering into this Agreement.

5.11 ***Force Majeure.*** Nonperformance of either party shall be excused to the extent that performance is rendered impossible by strike, fire, flood, governmental acts or orders or restrictions, failure of suppliers, or any other reason where failure to perform is beyond the reasonable control of and is not caused by the negligence of the nonperformance party.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be signed as of the date first above written.

MICROCHIP TECHNOLOGY (BARBADOS) II INCORPORATED

By: _____
J. Eric Bjornholt, Director

MICROCHIP TECHNOLOGY INCORPORATED

By: _____
J. Eric Bjornholt, VP, CFO

Schedule I

ISSC IP

ISSC IP means any and all patents, patent applications, trademarks, trademark applications, service marks, and trade names, including but not limited to those listed on Schedule III, and all copyrights, trade secrets, licenses, domain names, information, proprietary rights technologies, procedures, processes, designs, inventions, discoveries, know-how and works of authorship or other intellectual property rights and any application in relation to the foregoing including, without limitation, all documentation and all copyrights and related rights and other works of authorship, mask work rights, trade secrets and confidential information and other intellectual property rights of ISSC that have been licensed, assigned or otherwise transferred to Microchip as of the date hereof.

Schedule II

Territory

For the purposes of this Agreement, the Territory shall include North America, Central America and South America.

Schedule III

Patents:

Application Number	File Date	Patent Number	Issue Date	Application Status	Country	Title
200310103622.9	11/6/2003			Abandoned	CN	Packet-based multiplication-free CCK demodulator with a fast multipath interference cipher
092130757	11/4/2003	I227602	2/1/2005	Granted	TW	Wireless Communication System
10/289,749	11/7/2002	7,200,164	4/3/2007	Granted	US	Packet-based multiplication-free CCK demodulator with a fast multipath interference cipher
200410006129.X	3/2/2004	1333540	8/22/2007	Granted	CN	Low-complexity joint symbol CCK decoder
093104719	2/25/2004	I244275	11/21/2005	Granted	TW	Low-complexity joint symbol CCK decoder
10/382,756	3/5/2003	7,113,553	9/26/2006	Granted	US	Low-complexity joint symbol CCK decoder
092121219	8/1/2003	NI-205496	6/1/2004	Granted	TW	Digitally controlled tuner circuit
10/740,331	12/18/2003	6,919,759	7/19/2005	Granted	US	Digitally controlled tuner circuit
092136981	12/26/2003	I236233	7/11/2005	Granted	TW	Apparatus and Method for Detecting and Compensating Current Offset
10/708,428	3/2/2004			Abandoned	US	Apparatus and Method for Detecting and Compensating Current Offset
11/399,127	4/5/2006	7,933,361	4/26/2011	Granted	US	Hybrid DC-Offset Reduction Method and System for Direct Conversion Receiver
094100224	1/5/2005	I245487	12/11/2005	Granted	TW	Current-Matching Variable Gain Amplifier
10/908,553	5/17/2005	7,321,266	1/22/2008	Granted	US	Current-Matching Variable Gain Amplifier
094115507	5/13/2005	I258919	7/21/2006	Granted	TW	Differential Amplifier and Low Drop-Out Regulator with Thereof
11/195,263	8/1/2005	7,173,401	2/6/2007	Granted	US	Differential Amplifier and Low Drop-Out Regulator with Thereof
094124473	7/20/2005	I278203	4/1/2007	Granted	TW	Equalizing Device and Method Capable of WLAN Applications
11/089,075	3/24/2005	7,496,341	2/24/2009	Granted	US	Device and Method for Providing DC-Offset Estimation
094118894	6/8/2005	I279993	4/21/2007	Granted	TW	Apparatus and Method to Calibrate Amplitude and Phase Imbalance for Communication Receivers
11/013,360	12/17/2004			Abandoned	US	Apparatus and Method to Calibrate Amplitude and Phase Imbalance for Communication Receivers
200710097330.7	5/8/2007	ZL200710097330.7	11/2/2011	Granted	CN	Adaptive Quantization Method and Apparatus for an OFDM Receiver
096115992	5/4/2007	I342701	5/21/2011	Granted	TW	Adaptive Quantization Method and Apparatus for an OFDM Receiver

Schedule III (continued)

Application Number	File Date	Patent Number	Issue Date	Application Status	Country	Title
11/381,625	5/4/2006	7,756,222	7/13/2010	Granted	US	Adaptive Quantization Method and Apparatus for an OFDM Receiver
094109097	3/24/2005	I310648	6/1/2009	Granted	TW	Method and device for data encryption
11/000,013	12/1/2004	7,668,895	2/23/2010	Granted	US	Galois Field Computation
200610140223.3	10/20/2006	101072217	9/28/2011	Granted	CN	System and Method for Providing 3-Dimensional Joint Interleaver and Circulation Transmissions
095136752	10/3/2006	I345395	7/11/2011	Granted	TW	System and Method for Providing 3-Dimensional Joint Interleaver and Circulation Transmissions
60/620,724	10/22/2004			Expired	US	System and Method for Providing 3-Dimensional Joint Interleaver and Circulation Transmissions
11/254,359	10/20/2005	7,773,680	8/10/2010	Granted	US	System and Method for Providing 3-Dimensional Joint Interleaver and Circulation Transmissions
200610140433.2	10/8/2006	101079861	2/8/2012	Granted	CN	Methods and Apparatus for Circulation Transmissions for OFDM-Based MIMO Systems
095136751	10/3/2006	I324002	4/21/2010	Granted	TW	Methods and Apparatus for Circulation Transmissions for OFDM-Based MIMO Systems
11/244,607	10/6/2005	7,593,472	9/22/2009	Granted	US	Methods and Apparatus for Circulation Transmissions for OFDM-Based MIMO Systems
092120264	7/24/2003	I234729	6/21/2005	Granted	TW	Detecting and Acuating Method of BT Devices and a Control System Thereof
10/673,399	9/30/2003			Abandoned	US	Detecting and Acuating Method of BT Devices and a Control System Thereof
092122507	8/15/2003	I230512	4/1/2005	Abandoned	TW	frequency converter circuit of dual frequency wireless network
092133796	12/2/2003	I243565	11/11/2005	Granted	TW	System and Architecture for a Network Micro-controller
092128162	10/9/2003	I231116	4/11/2005	Granted	TW	Method and System for Channel Estimation in WLAN
10/721,355	11/26/2003	7,272,165	9/18/2007	Granted	US	Method and System for Channel Estimation in WLAN
092128163	10/9/2003	I235571	7/1/2005	Granted	TW	Packet Type Arbitration in WLANand Corresponding Arbitrating Method
10/718,624	11/24/2003	7,308,002	12/11/2007	Granted	US	Packet Type Arbitration in WLANand Corresponding Arbitrating Method
092131315	11/7/2003	I228353	2/21/2005	Granted	TW	Channel Quality Evaluation Method Applicable to Bluetooth Wireless Network
10/751,975	1/7/2004			Abandoned	US	Channel Quality Evaluation Method Applicable to Bluetooth Wireless Network

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093100587	1/9/2004	I228346	2/21/2005	Abandoned	TW	Dural-Band Bandpass Filter with Stepped-Impedance Resonators
10/978,395	11/2/2004	7,102,470	9/5/2006	Granted	US	Dural-Band Bandpass Filter with Stepped-Impedance Resonators
093118902	6/28/2004	I238595	8/21/2005	Granted	TW	Bandpass Amplifier
10/882,215	7/2/2004	7,245,186	7/17/2007	Granted	US	Bandpass Amplifier
093100588	1/9/2004	I280681	5/1/2007	Granted	TW	Shoelace Type Broadside Coupler Field of The Invention
10/932,086	9/2/2004			Abandoned	US	Shoelace Type Broadside Coupler Field of The Invention
092137241	12/26/2003	I252627	4/1/2006	Granted	TW	Complementary Code Keying (CCK) Sequentially Decoding Apparatus and Process Thereof
10/819,319	4/7/2004	7,330,522	2/12/2008	Granted	US	Complementary Code Keying (CCK) Sequentially Decoding Apparatus and Process Thereof
092136616	12/23/2003	I228345	2/21/2005	Granted	TW	Automatic Gain Control and Its Controlling Method
10/798,393	3/12/2004	7,336,743	2/26/2008	Granted	US	Automatic Gain Control and Its Controlling Method
094117860	5/31/2005	I271028	1/11/2007	Granted	TW	Concurrent Triple Band Gain Amplifier for Use in a Wireless Communication System
11/147,458	6/8/2008	7,193,477	3/20/2007	Granted	US	Concurrent Triple Band Gain Amplifier for Use in a Wireless Communication System
093129877	10/1/2004	I248253	1/21/2006	Granted	TW	Concurrent Dual-band Power Amplifier
11/047,594	2/2/2005			Abandoned	US	Concurrent Dual-band Power Amplifier
093132025	10/21/2004	I246250	12/21/2005	Abandoned	TW	Dual Bank Active Filter
11/187,844	7/25/2005	7,340,237	3/4/2008	Granted	US	Dual Bank Active Filter
200510089960.0	8/8/2005	100477525	4/8/2009	Granted	CN	Antenna Diversity Switch for Dual Mode Co-Existence Systems
093130263	10/6/2004	I280741	5/1/2007	Granted	TW	Antenna Diversity Switch for Dual Mode Co-Existence Systems
11/145,943	6/7/2005	7,505,790	3/17/2009	Granted	US	Antenna Diversity Switch for Dual Mode Co-Existence Systems
093134343	11/10/2004	I253241	4/11/2006	Granted	TW	Dual-Band Wireless LAN RF Transceiver
11/149,230	6/10/2005	7,444,167	10/28/2008	Granted	US	Dual-Band Wireless LAN RF Transceiver
093140091	12/22/2004	I262671	9/21/2006	Granted	TW	Communication Network Switching System and Method
11/024,800	12/30/2004	7,440,753	10/21/2008	Granted	US	Communication Network Switching System and Method
093104390	2/20/2004	I269481	12/21/2006	Granted	TW	Filter Using Multilayer Ceramic Technology and Structure Thereof

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Application Number	File Date	Patent Number	Issue Date	Application Status	Country	Title
10/831,318	4/26/2004	7,012,484	3/14/2006	Granted	US	Filter Using Multilayer Ceramic Technology and Structure Thereof
200510088677.6	8/1/2005	1909390	10/10/2012	Granted	CN	Method of Rapid Refreshing Channel Quality in a Bluetooth Wireless Network
094102327	1/26/2005	I261963	9/11/2006	Granted	TW	Method of Rapid Refreshing Channel Quality in a Bluetooth Wireless Network
11/152,345	6/15/2005			Abandoned	US	Method of Rapid Refreshing Channel Quality in a Bluetooth Wireless Network
200610001739.X	1/23/2006	100544335	9/23/2009	Granted	CN	Method for Enhancing Bluetooth Transmission Speed and Pobustness of Emitting End and Receiving of Communication System
095101518	1/13/2006	I323591	4/11/2010	Granted	TW	Method for Enhancing Bluetooth Transmission Speed and Pobustness of Emitting End and Receiving of Communication System
11/652,514	1/12/2007	7,756,213	7/13/2010	Granted	US	Method for Enhancing Bluetooth Transmission Speed and Pobustness of Emitting End and Receiving of Communication System
200610066755.7	4/11/2006	101056256	6/29/2011	Granted	CN	Role exchange method for Bluetooth system
095111151	3/30/2006	I337813	2/21/2011	Granted	TW	Role exchange method for Bluetooth system
11/434,235	5/16/2006			Abandoned	US	Role exchange method for Bluetooth system
11/444,477	6/1/2006			Abandoned	US	Multiple Input Output Sources for Use with Bluetooth Audio Chip
200620112509.6	4/17/2006			Abandoned	CN	Multiple Input Output Sources for Use with Bluetooth Audio Chip
095204994	3/24/2006			Abandoned	TW	Multiple Input Output Sources for Use with Bluetooth Audio Chip
095120721	6/12/2006			Pending	TW	Multiple Input Output Sources for Use with Bluetooth Audio Chip
200610075222.5	4/17/2006			Abandoned	CN	Method of DATA Transferring for Bluetooth Mouse
095111032	3/29/2006			Abandoned	TW	Method of DATA Transferring for Bluetooth Mouse
11/439,991	5/25/2006			Abandoned	US	Method of DATA Transferring for Bluetooth Mouse
200710006215.4	2/7/2007	101141159	12/19/2012	Granted	CN	Method and Apparatus for Reception Range Signals Bluetooth
095127796	7/28/2006	I317579	11/21/2009	Granted	TW	Method and Apparatus for Reception Range Signals Bluetooth

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Application Number	File Date	Patent Number	Issue Date	Application Status	Country	Title
11/435,948	5/18/2006	7,949,327	5/24/2011	Granted	US	Method and Apparatus for Reception Range Signals Bluetooth
12/905,285	10/15/2010			Abandoned	US	Method and Apparatus for Reception Range Signals Bluetooth
200610099139.1	7/27/2006			Abandoned	CN	Blue tooth wireless earphone and wireless network phone supported as extension thereof
095126395	7/19/2006			Abandoned	TW	Blue tooth wireless earphone and wireless network phone supported as extension thereof
11/802,878	5/25/2007			Abandoned	US	Blue tooth wireless earphone and wireless network phone supported as extension thereof
200610106895.2	8/9/2006			Abandoned	CN	Charging Control System for Lithium Battery
095128384	8/2/2006	I324410	5/1/2010	Granted	TW	Charging Control System for Lithium Battery
11/515,728	9/6/2006	7,482,782	1/27/2009	Granted	US	Charging Control System for Lithium Battery
200610159900.6	11/6/2006			Abandoned	CN	Charging Control Method for Lithium Battery
095139634	10/27/2006			Abandoned	TW	Charging Control Method for Lithium Battery
11/649,763	1/5/2007			Abandoned	US	Charging Control Method for Lithium Battery
200810109522.X	5/28/2008	101483496	10/10/2012	Granted	CN	Apparatus and Method of Error Vector Measurement for Digital and Multiple Input / Multiple Output IMO Communication Systems
097113713	4/15/2008	I356609	1/11/2012	Granted	TW	Apparatus and Method of Error Vector Measurement for Digital and Multiple Input / Multiple Output IMO Communication Systems
11/971,095	1/8/2008	8,036,298	10/11/2011	Granted	US	Apparatus and Method of Error Vector Measurement for Digital and Multiple Input / Multiple Output IMO Communication Systems
200810110749.6	5/28/2008	101527664	4/3/2013	Granted	CN	Short Training FIELD Generator in IEEE 802.11n Transmitters
097113714	4/15/2008	I463836	12/1/2014	Granted	TW	Short Training FIELD Generator in IEEE 802.11n Transmitters
12/043,722	3/6/2008	8,072,959	12/6/2011	Granted	US	Short Training FIELD Generator in IEEE 802.11n Transmitters
200710006179.1	1/29/2007	100561413	11/18/2009	Granted	CN	Operation Method of Wireless Pointing Input Apparatus
096100204	1/3/2007	I344096	6/21/2011	Granted	TW	Operation Method of Wireless Pointing Input Apparatus

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11/679,187	2/27/2007			Abandoned	US	Operation Method of Wireless Pointing Input Apparatus
200710087713.6	3/7/2007	101261534	10/3/2012	Granted	CN	Power Saving Method of Bi-Directional Communication Wireless Peripheral Device
096106812	2/27/2007	I342487	5/21/2011	Granted	TW	Power Saving Method of Bi-Directional Communication Wireless Peripheral Device
11/755,005	5/30/2007	7,900,070	3/1/2011	Granted	US	Power Saving Method of Bi-Directional Communication Wireless Peripheral Device
097109563	3/8/2008			Abandoned	TW	Method and Apparatus for reception of long range signals in Bluetooth
11/979,687	11/7/2007			Abandoned	US	Method and Apparatus for reception of long range signals in Bluetooth
200710166295.X	11/9/2007			Abandoned	CN	Method and Apparatus for A Simplified Maximum Likelihood Demodulator for Dual Carrier Modulation
096130512	8/17/2007			Abandoned	TW	Method and Apparatus for A Simplified Maximum Likelihood Demodulator for Dual Carrier Modulation
11/812,043	6/14/2007			Abandoned	US	Method and Apparatus for A Simplified Maximum Likelihood Demodulator for Dual Carrier Modulation
200810173599.3	11/10/2008	101667831	2/1/2012	Granted	CN	Two step VCO calibration method
097142028	10/31/2008	I376880	11/11/2012	Granted	TW	Two step VCO calibration method
12/204,979	9/5/2008	7,907,021	3/15/2011	Granted	US	Two step VCO calibration method
201010216683.6	6/30/2010			Abandoned	CN	Adaptive Low Intermediate Frequency (IF) Receiver
099113658	4/29/2010	I399916	6/21/2013	Granted	TW	Adaptive Low Intermediate Frequency (IF) Receiver
12/579,306	10/14/2009	8,140,038	3/20/2012	Granted	US	Adaptive Low Intermediate Frequency (IF) Receiver
201010145506.3	4/13/2010	102035775	2/12/2014	Granted	CN	A Simple and Optimal Arbitrary Frequency Shifter in Communication Systems
099108059	3/18/2010	I420807	12/21/2013	Granted	TW	A Simple and Optimal Arbitrary Frequency Shifter in Communication Systems
12/569,290	9/29/2009	8,437,427	5/7/2013	Granted	US	A Simple and Optimal Arbitrary Frequency Shifter in Communication Systems
200910181183.0	10/13/2009	102044251	7/25/2012	Granted	CN	Voice Quality Improving Method of Radio Voice Data Transmission System
098122974	7/7/2009	I426736	2/11/2014	Granted	TW	Voice Quality Improving Method of Radio Voice Data Transmission System

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201010288892.1	9/21/2010			Published	CN	A Simplified Acquisition Apparatus for a Bluetooth Receiver
099119037	6/11/2010	I420831	12/21/2013	Granted	TW	A Simplified Acquisition Apparatus for a Bluetooth Receiver
12/700,623	2/4/2010	8,509,361	8/13/2013	Granted	US	A Simplified Acquisition Apparatus for a Bluetooth Receiver
201010510320.3	10/18/2010	102045117	2/12/2014	Granted	CN	Apparatus and Method for Signal Quality Measurements on GFSK Signals
099133345	9/30/2010	I430626	3/11/2014	Granted	TW	Apparatus and Method for Signal Quality Measurements on GFSK Signals
12/581,418	10/19/2009	8,243,781	8/14/2012	Granted	US	Apparatus and Method for Signal Quality Measurements on GFSK Signals
201010255292.5	8/17/2010	102170415	12/25/2013	Granted	CN	Apparatus and Method for Coherent Detection of Phase-Modulated Signals
099113634	4/29/2010	I407737	9/1/2013	Granted	TW	Apparatus and Method for Coherent Detection of Phase-Modulated Signals
12/581,607	10/19/2009	8,300,736	10/30/2012	Granted	US	Apparatus and Method for Coherent Detection of Phase-Modulated Signals
201010616275.X	12/30/2010			Published	CN	Receivers and Symbol Decoders Thereof
099124499	7/26/2010	I431988	3/21/2014	Granted	TW	Receivers and Symbol Decoders Thereof
12/637,388	12/14/2009	8,259,862	9/4/2012	Granted	US	Receivers and Symbol Decoders Thereof
201010247498.3	8/4/2010			Abandoned	CN	A Bluetooth Chip with Integrated Solar Cells
099124996	7/28/2010			Abandoned	TW	A Bluetooth Chip with Integrated Solar Cells
61/247,063	9/30/2009			Expired	US	A Bluetooth Chip with Integrated Solar Cells
12/886,916	9/21/2010			Abandoned	US	A Bluetooth Chip with Integrated Solar Cells
201010247509.8	8/4/2010			Abandoned	CN	A Bluetooth Chip with Radio Frequency Energy Capturing Capability
099124997	7/28/2010			Abandoned	TW	A Bluetooth Chip with Radio Frequency Energy Capturing Capability
61/247,055	9/30/2009			Expired	US	A Bluetooth Chip with Radio Frequency Energy Capturing Capability
12/887,215	9/21/2010			Abandoned	US	A Bluetooth Chip with Radio Frequency Energy Capturing Capability
201010139851.6	3/23/2010	102201231	10/24/2012	Granted	CN	Speech detection method using multiple voice capture devices
099107897	3/17/2010	I408673	9/11/2013	Granted	TW	Speech detection method using multiple voice capture devices

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12/847,554	7/30/2010	8,332,219	12/11/2012	Granted	US	Speech detection method using multiple voice capture devices
201020164797.6	4/6/2010	201654711	11/24/2010	Granted	CN	Input Device
2010-003272	5/19/2010	2010-003272	7/7/2010	Granted	JP	Input Device
099204697	3/17/2010	M385748	8/1/2010	Granted	TW	Input Device
201010188522.0	5/28/2010	102263572	6/18/2014	Granted	CN	Wireless Communication Transceiver
099115537	5/14/2010	I404348	8/1/2013	Granted	TW	Wireless Communication Transceiver
12/892,705	9/28/2010	8,489,035	7/16/2013	Granted	US	Wireless Communication Transceiver
201010197035.0	6/8/2010	102281081	12/4/2013	Granted	CN	Wireless Communication Transceiver
099115545	5/14/2010	I415401	11/11/2013	Granted	TW	Wireless Communication Transceiver
12/913,541	10/27/2010	8,442,453	5/14/2013	Granted	US	Wireless Communication Transceiver
201110051739.1	3/3/2011	102420423	11/19/2014	Granted	CN	New ESD Protection Skill for Switching Regulator Switching pin Lx
099144249	12/16/2010	I415246	11/11/2013	Granted	TW	New ESD Protection Skill for Switching Regulator Switching pin Lx
12/892,179	9/28/2010	8,208,234	6/26/2012	Granted	US	New ESD Protection Skill for Switching Regulator Switching pin Lx
201110095838.X	4/15/2011	102595279	7/2/2014	Granted	CN	A circuit with three-stage of power-on sequence used for suppressing the pop noise in audio system
100111210	3/31/2011	I442696	6/21/2014	Granted	TW	A circuit with three-stage of power-on sequence used for suppressing the pop noise in audio system
13/005,609	1/13/2011	8,447,046	5/21/2013	Granted	US	A circuit with three-stage of power-on sequence used for suppressing the pop noise in audio system
201110247660.6	8/24/2011	102931715	12/24/2014	Granted	CN	A battery powered apparatus with the circuit of integrated power management and charger unit
100128521	8/10/2011			Published	TW	A battery powered apparatus with the circuit of integrated power management and charger unit
13/269,649	10/10/2011	8,664,913	3/4/2014	Granted	US	A battery powered apparatus with the circuit of integrated power management and charger unit
201110194816.9	7/12/2011			Abandoned	CN	A layout method for power MOS array
100114773	4/28/2011			Published	TW	A layout method for power MOS array
13/118,695	5/31/2011			Abandoned	US	A layout method for power MOS array
201110235305.7	8/16/2011			Published	CN	A circuit used for indicating process corner and extreme temperature
100124037	7/7/2011	I420123	12/21/2013	Granted	TW	A circuit used for indicating process corner and extreme temperature
13/109,858	5/17/2011	8,451,047	5/28/2013	Granted	US	A circuit used for indicating process corner and extreme temperature

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201210141395.8	5/9/2012			Published	CN	A method used for providing an adaptive receiving in wireless communication
201210143685.6	5/9/2012	102780533	10/8/2014	Granted	CN	An adaptive wireless communication receiver
101116496	5/9/2012	I434521	4/11/2014	Granted	TW	A method used for providing an adaptive receiving in wireless communication
101116497	5/9/2012	I449343	8/11/2014	Granted	TW	An adaptive wireless communication receiver
61/484,388	5/10/2011			Expired	US	Adaptive Filter Bandwidth Selection Algorithm for a Bluetooth Receiver
13/466,848	5/8/2012	8,718,207	5/6/2014	Granted	US	A method used for providing an adaptive receiving in wireless communication
13/466,884	5/8/2012	8,693,595	4/8/2014	Granted	US	An adaptive wireless communication receiver
201110332571.1	10/27/2011			Published	CN	dual mode sigma delta analog to digital converter and circuit using the same
100136372	10/6/2011			Published	TW	dual mode sigma delta analog to digital converter and circuit using the same
13/252,981	10/4/2011	8,451,051	5/28/2013	Granted	US	dual mode sigma delta analog to digital converter and circuit using the same
201120364075.X	9/26/2011	202261285	5/30/2012	Granted	CN	A dual input device
100216980	9/9/2011	M423966	3/1/2012	Granted	TW	A dual input device
201110359071.7	11/14/2011			Published	CN	Power on Reset Signal Generating Apparatus and Method
100137345	10/14/2011	I446152	7/21/2014	Granted	TW	Power on Reset Signal Generating Apparatus and Method
13/244,279	9/24/2011	8,536,907	9/17/2013	Granted	US	Power on Reset Signal Generating Apparatus and Method
201210025068.6	2/6/2012			Published	CN	Charge Pump Circuit and Phase Lock Loop Circuit
100148926	12/27/2011	I460978	11/11/2014	Granted	TW	Charge Pump Circuit and Phase Lock Loop Circuit
13/327,765	12/16/2011			Abandoned	US	Charge Pump Circuit and Phase Lock Loop Circuit
201210025335.X	2/6/2012			Published	CN	Oscillator for Generating Output Signal with Adjustable
100149635	12/29/2011			Published	TW	Oscillator for Generating Output Signal with Adjustable
13/327,766	12/16/2011	8,531,249	9/10/2013	Granted	US	Oscillator for Generating Output Signal with Adjustable
201210568697.3	12/24/2012			Published	CN	Power-Saving Apparatus Used for Wireless Communication Receiver and System, and Method Using the Same

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101128327	8/6/2012	I449346	8/11/2014	Granted	TW	Power-Saving Apparatus Used for Wireless Communication Receiver and System, and Method Using the Same
13/477,390	5/22/2012	8,571,152	10/29/2013	Granted	US	Power-Saving Apparatus Used for Wireless Communication Receiver and System, and Method Using the Same
201210410792.0	10/24/2012			Published	CN	Fast and Robust AGC Apparatus and Method Using the Same
101129131	8/13/2012			Published	TW	Fast and Robust AGC Apparatus and Method Using the Same
13/517,729	6/14/2012	8,660,221	2/25/2014	Granted	US	Fast and Robust AGC Apparatus and Method Using the Same
201210142044.9	5/9/2012			Published	CN	Audio Amplifier Apparatus
101111119	3/29/2012			Published	TW	Audio Amplifier Apparatus
13/469,085	5/10/2012			Published	US	Audio Amplifier Apparatus
201210283455.X	8/9/2012			Published	CN	A direct-conversion transceiver with dc offset compensation and the operation method using the same.
101125166	7/12/2012			Published	TW	A direct-conversion transceiver with dc offset compensation and the operation method using the same.
13/644,917	10/4/2012			Published	US	A direct-conversion transceiver with dc offset compensation and the operation method using the same.
201210299667.7	8/21/2012			Published	CN	A circuit with WideBand received signal strength indicator detection and auto gain control and method thereof
101125161	7/12/2012			Published	TW	A circuit with WideBand received signal strength indicator detection and auto gain control and method thereof
13/939,443	7/11/2013			Published	US	A circuit with WideBand received signal strength indicator detection and auto gain control and method thereof
201210191510.2	6/12/2012			Published	CN	Wireless Signal Transceiving Apparatus
101114937	4/26/2012	I440316	6/1/2014	Granted	TW	Wireless Signal Transceiving Apparatus
13/586,842	8/15/2012	8,582,629	11/12/2013	Granted	US	Wireless Signal Transceiving Apparatus
201210191571.9	6/12/2012			Published	CN	Output and Input Interface Apparatus
101114938	4/26/2012	I461959	11/21/2014	Granted	TW	Output and Input Interface Apparatus
201210415966.2	10/26/2012			Published	CN	Filtering circuit and the operation method using the same
101137325	10/9/2012			Published	TW	Filtering circuit and the operation method using the same

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13/933,969	7/2/2013			Published	US	Filtering circuit and the operation method using the same
201210196532.8	6/14/2012			Published	CN	power switch circuit and electronic apparatus thereof
101119938	6/4/2012	I446686	7/21/2014	Granted	TW	power switch circuit and electronic apparatus thereof
201210203168.3	6/19/2012			Published	CN	Current Regulation Circuit and Electronic Device Thereof
101119939	6/4/2012			Published	TW	Current Regulation Circuit and Electronic Device Thereof
201210268720.7	7/31/2012			Published	CN	Low dropout voltage regulator and electronic device thereof
101125343	7/13/2012			Published	TW	Low dropout voltage regulator and electronic device thereof
13/620,929	9/15/2012	8,836,302	9/16/2014	Granted	US	Low dropout voltage regulator and electronic device thereof
201310314531.3	7/24/2013			Published	CN	A System to Deliver Prioritized Game Audio Wirelessly with a Minimal Latency
102125775	7/18/2013			Published	TW	A System to Deliver Prioritized Game Audio Wirelessly with a Minimal Latency
61/675,080	7/24/2012			Expired	US	A System to Deliver Prioritized Game Audio Wirelessly with a Minimal Latency
13/948,815	7/23/2013			Published	US	A System to Deliver Prioritized Game Audio Wirelessly with a Minimal Latency
201210578414.3	12/27/2012			Pending	CN	ESD Protection Circuit, Bias Circuit and Electronic Apparatus
101146154	12/7/2012	I455435	10/1/2014	Granted	TW	ESD Protection Circuit, Bias Circuit and Electronic Apparatus
201310022693.X	1/21/2013			Published	CN	Headphone Apparatus and Audio Driving Apparatus Thereof
101150243	12/26/2012			Published	TW	Headphone Apparatus and Audio Driving Apparatus Thereof
13/680,112	11/19/2012			Published	US	Headphone Apparatus and Audio Driving Apparatus Thereof
201310028361.2	1/24/2013			Pending	CN	Voltage Generator
101147281	12/13/2012			Published	TW	Voltage Generator
13/773,608	2/21/2013			Published	US	Voltage Generator
201310084509.4	3/15/2013			Pending	CN	Electrostatic Discharge Protection Device and Electtronic Apparatus thereof

Schedule III (continued)

Application Number	File Date	Patent Number	Issue Date	Application Status	Country	Title
102105366	2/28/2013			Published	TW	Electrostatic Discharge Protection Device and Electtronic Apparatus thereof
13/939,382	7/11/2013			Published	US	Electrostatic Discharge Protection Device and Electtronic Apparatus thereof
201310140961.8	4/22/2013			Pending	CN	Clock Apparatus
102111158	3/28/2013			Published	TW	Clock Apparatus
13/769,829	2/19/2013			Published	US	Clock Apparatus
201310152353.9	4/27/2013			Pending	CN	Voltage Generator
102111156	3/28/2013			Published	TW	Voltage Generator
13/769,830	2/19/2013	8,723,595	5/13/2014	Granted	US	Voltage Generator
201310358726.8	8/15/2013			Published	CN	Multi-Systems Integrated Modulation Module and Communication Device
102127755	8/2/2013			Pending	TW	Multi-Systems Integrated Modulation Module and Communication Device
14/068,096	10/31/2013			Pending	US	Multi-Systems Integrated Modulation Module and Communication Device
201310566172.0	11/14/2013			Pending	CN	Blue-Tooth Communication System and Broadcasting Method
102137362	10/16/2013			Published	TW	Blue-Tooth Communication System and Broadcasting Method
14/010,516	8/26/2013			Published	US	Blue-Tooth Communication System and Broadcasting Method
201310484950.1	10/16/2013			Pending	CN	Voltage Generating Apparatus
102133283	9/13/2013			Pending	TW	Voltage Generating Apparatus
13/962,975	8/9/2013	8,729,959	5/20/2014	Granted	US	Voltage Generating Apparatus
201310542131.8	11/5/2013			Pending	CN	Chip, Electrostatic discharge protection device and fabrication
102138222	10/23/2013			Pending	TW	Chip, Electrostatic discharge protection device and fabrication
14/156,729	1/16/2014			Pending	US	Chip, Electrostatic discharge protection device and fabrication
201410132386.1	4/1/2014			Pending	CN	A electrostatic discharge protection circuit
103109429	3/14/2014			Pending	TW	A electrostatic discharge protection circuit
14/657,505	3/13/2015			Pending	US	A electrostatic discharge protection circuit
201410150970.X	4/15/2014			Pending	CN	Speaker apparatus and Speaker system
103112300	4/2/2014			Pending	TW	Speaker apparatus and Speaker system
14/289,603	5/28/2014			Pending	US	Speaker apparatus and Speaker system

Schedule III (continued)

Application Number	File Date	Patent Number	Issue Date	Application Status	Country	Title
201410184589.5	5/4/2014			Pending	CN	wireless interference scanning method and device for adaptive frequency hopping
103113883	4/16/2014			Pending	TW	wireless interference scanning method and device for adaptive frequency hopping
14/321,944	7/2/2014			Abandoned	US	wireless interference scanning method and device for adaptive frequency hopping
201410184546.7	5/4/2014			Pending	CN	gain control method, module, and wireless signal receiver using the same
103113889	4/16/2014			Pending	TW	gain control method, module, and wireless signal receiver using the same
14/447,321	7/30/2014			Pending	US	gain control method, module, and wireless signal receiver using the same
201410294852.6	6/26/2014			Pending	CN	Data Transmission System and Method for Bluetooth Interface
103113559	4/14/2014			Pending	TW	Data Transmission System and Method for Bluetooth Interface
14/340,576	7/25/2014			Pending	US	Data Transmission System and Method for Bluetooth Interface
201410203442.6	5/14/2014			Pending	CN	Audio player with bluetooth function and audio player method thereof
103115527	4/30/2014			Pending	TW	Audio player with bluetooth function and audio player method thereof
14/511,264	10/10/2014			Pending	US	Audio player with bluetooth function and audio player method thereof
201410272528.4	6/18/2014			Pending	CN	Blue-Tooth Communication System and Broadcasting Method Thereof
103117797	5/21/2014			Pending	TW	Blue-Tooth Communication System and Broadcasting Method Thereof
14/340,580	7/25/2014			Pending	US	Blue-Tooth Communication System and Broadcasting Method Thereof
201410487426.4	9/22/2014			Unfiled	CN	Electronic Aparatus and Electronic Fuse thereof
14/517,943	10/20/2014			Pending	US	Electronic Aparatus and Electronic Fuse thereof
103126769	8/5/2014			Pending	TW	Electronic Aparatus and Electronic Fuse thereof
14/490,853	9/19/2014			Pending	US	Circuit and Phase lock loop having the same
201410355204.7	7/24/2014			Pending	CN	Circuit and Phase lock loop having the same
103124736	7/18/2014			Pending	TW	Circuit and Phase lock loop having the same

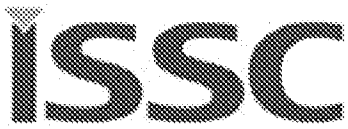
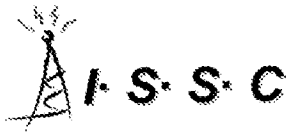
Schedule III (continued)

Application Number	File Date	Patent Number	Issue Date	Application Status	Country	Title
62/009,313	6/8/2014			Abandoned	US	A Synchronous Rradio-Frequency Link Apparatus for Bluetooth One-to-multiple Multimedia Application
103133953	9/30/2014			Pending	TW	Bluetooth Low Energy Broadcast Apparatus and Method Thereof
14/564,089	12/9/2014			Pending	US	Bluetooth Low Energy Broadcast Apparatus and Method Thereof

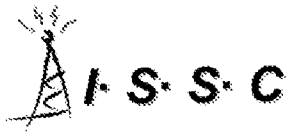
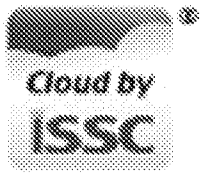
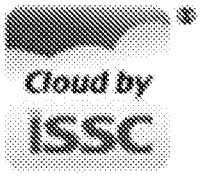
Invention Disclosures:

- A charge sharing regulator
- Applications of near field communications to disable handheld phone texting while driving

Trademarks:

Mark	Country	Registration Number	Registration Date	Application Number	Application Date
Class 09 and Class 42 	CN			12714626	6/6/2013
	US			85/918,360	4/30/2013
	EU			11888336	6/11/2013
	HK			30263325	6/9/2013
	IN			2518791	4/24/2013
	KR			45-2013/0003088	6/3/2013
	SG			WZ107213	4/22/2013
	TW	1613907	12/2/2013		
	JP	5650541	2/21/2014	2013-037534	5/20/2013
Class 09 	TW	1133843	1/1/2005		
	CN	5159752	3/28/2009		

Schedule III (continued)

Mark	Country	Registration Number	Registration Date	Application Number	Application Date
Class 42 	TW	1132804	12/16/2004		
	CN	Unknown	Unknown		
Class 09 	TW	1069897	12/1/2003		
	CN	5159830	3/28/2009		
Class 42 	TW	0190188	11/16/2003		
	CN	5159829	6/21/2009		
Class 09 	CN			12714624	6/6/2013
Class 42 	CN			12714625	6/6/2013

Schedule III (continued)

Mark	Country	Registration Number	Registration Date	Application Number	Application Date
Class 09 KleanWire	TW	01672917	11/1/2014	103013608	3/14/2014
	CN			14204148	3/19/2014
	US			86/221,850	3/14/2014
Class 42 KleanWire	TW	01661205	8/16/2014	103013608	3/14/2014
	CN			14204147	3/19/2014
	US			85/221,892	3/14/2014
Class 9 BeaconThings	TW			103047197	8/15/2014
	CN			15180461	8/19/2014
	US			86/375,387	8/23/2014
Class 42 BeaconThings	TW			103047196	8/15/2014
	CN			15180462	8/19/2014
	US			86/375,389	8/23/2014

EXHIBIT 2.1

AGREEMENT AND PLAN OF MERGER

between

Microchip Technology (Barbados) II Incorporated

and

ISSC Technologies Corp.

Dated as of May 22, 2014

AGREEMENT AND PLAN OF MERGER

THIS AGREEMENT AND PLAN OF MERGER (this "Agreement"), dated as of May 22, 2014, is being entered into by and between Microchip Technology (Barbados) II Incorporated, an exempted company incorporated with limited liability with company number 250343 and in existence under the laws of the Cayman Islands with its registered office at Intertrust Corporate Services (Cayman) Limited, 190 Elgin Avenue, George Town, Grand Cayman KY1-9005, Cayman Islands, and having a branch office in the Republic of China (the "**ROC**") at 30F-1, No.8, Min-Chuan 2nd Road, Kaohsiung, 80661, ROC ("**Merger Sub**") and ISSC Technologies Corp., a company incorporated and in existence under the laws of the ROC with a principal place of business at 5F., No.5, Industry East 7th Road, Hsinchu Science Park, Hsinchu City 30077, ROC (the "**Company**").

RECITALS

WHEREAS, Merger Sub is an indirect subsidiary of Microchip Technology Incorporated, a company incorporated and in existence under the laws of state of Delaware ("**Parent**"), with a principal place of business at 2355 West Chandler Blvd., Chandler, Arizona, USA;

WHEREAS, it is proposed that Merger Sub will commence a public tender offer pursuant to applicable laws and regulations of the ROC to purchase all of the issued and outstanding shares of common stock of the Company ("**Shares**"), for the Merger Consideration (as defined in Section 4.1(a) hereof) ("**Offer**");

WHEREAS, it is also proposed that, following the Offer, Merger Sub will merge with the Company, with Merger Sub as the surviving corporation, on the terms and subject to the conditions set forth herein (the "**Merger**");

WHEREAS, the Board of Directors of Merger Sub has approved this Agreement and declared it advisable for Merger Sub and the Company to enter into this Agreement;

WHEREAS, the Board of Directors of the Company (the "**Company Board**") has (i) determined that it is in the best interests of the Company and its shareholders, and declared it advisable, to enter into this Agreement (the "**Company Board Determination**"), and (ii) approved the execution, delivery and performance by the Company of this Agreement and the consummation of the transactions contemplated hereby, subject to the approval of the shareholders' meeting of the Company and the required regulatory approvals;

WHEREAS, it is the understanding between the parties hereto that to induce the Company to enter into this Agreement, the Parent has agreed to guarantee the performance of the obligations of Merger Sub under this Agreement by executing a guarantee letter as of the date hereof; and

WHEREAS, Merger Sub and the Company desire to make certain representations, warranties, covenants and agreements in connection with the Merger and also to prescribe certain conditions to the Merger as specified herein.

AGREEMENT

NOW, THEREFORE, in consideration of the premises, and of the representations, warranties, covenants and agreements contained herein, and intending to be legally bound hereby, Merger Sub and the Company hereby agree as follows:

ARTICLE I
CERTAIN DEFINITIONS

For all purposes of and under this Agreement, the following capitalized terms shall have the following respective meanings:

"**Acquired Companies**" means the Company and its Subsidiaries, collectively, and "**Acquired Company**" means any of them.

"**Acquisition Proposal**" means any offer or proposal (other than an offer or proposal by Merger Sub) relating to any Acquisition Transaction.

"**Acquisition Trans**

" means any transaction or series of related transactions (other than the transactions contemplated by this Agreement) involving any (i) merger, consolidation, share exchange, other business combination or similar transaction involving the Company or any of its Subsidiaries, (ii) sale, lease, contribution or other disposition, directly or indirectly (including by way of merger, consolidation, share exchange, other business combination, partnership, joint venture, sale of capital stock of or other equity interests in a Subsidiary of the Company or otherwise) of any business or assets of the Company or any of its Subsidiaries representing 10% or more of the consolidated revenues, net income or assets of the Company and its Subsidiaries, taken as a whole, (iii) issuance, sale or other disposition, directly or indirectly, to any Person (or the stockholders of any Person) or group of securities (or options, rights or warrants to purchase, or securities convertible into or exchangeable for, such securities) representing 10% or more of the voting power of the Company, (iv) transaction in which any Person (or the stockholders of any Person) shall acquire, directly or indirectly, beneficial ownership, or the right to acquire beneficial ownership, or formation of any group which beneficially owns or has the right to acquire beneficial ownership of, 10% or more of the Shares or (v) any combination of the foregoing (in each case, other than the Offer and the Merger).

"**Affiliate**" of any Person means any other Person that, at the time of determination, directly or indirectly, through one or more intermediaries, controls, is controlled by or is under common control with, such first Person.

"**Business Day**" means any day other than a Saturday, a Sunday or a day on which banks in the United States or the ROC or the GreTai Securities Market are authorized by Law or executed order to be closed.

"**Company Business**" means the business of the Acquired Companies as currently conducted by the Acquired Companies.

"**Company Data**" means all right, title and interest in and to the data contained in any databases owned and used by the Acquired Companies (including any and all Trade Secrets and User Data) and all other information and data compilations owned and used by, the Acquired Companies.

"**Company IP**" means (a) all Intellectual Property that is used or held for use by the Acquired Companies, or in which the Acquired Companies have (or purport to have) an ownership interest, and (b) all Intellectual Property Rights that are owned by, or licensed to the Acquired Companies, or claim or cover or are otherwise embodied in the Intellectual Property described in the foregoing clause (a), in the Company Data, in any Company Website or in any Company Product.

"**Company IP Contract**" means any Contract to which any of the Acquired Companies is a party or by which any of the Acquired Companies is bound, that contains any assignment or license of, or any covenant not to assert or enforce, any Intellectual Property or that otherwise relates to any Company IP or any Intellectual Property developed by, with or for the Acquired Companies (it being understood that licenses to Open Source Code to which the Acquired Companies are or were a party or by which the Acquired Companies are or were bound shall constitute Company IP Contracts).

"**Company IT Systems**" means all information technology and computer systems (including Computer Software, information technology and telecommunication hardware and other equipment) relating to the transmission, storage, maintenance, organization, presentation, generation, processing or analysis of data and information whether or not in electronic format, owned by or licensed to the Acquired Companies, and used in the conduct of the Company Business.

"**Company Plan**" means any "employee benefit plan" other than any mandatory benefit plan as required by applicable Laws, including any stock purchase, stock option, severance, retirement, change-in-control, fringe benefit, bonus, incentive, deferred compensation, employment or other material employee benefit plan, agreement, program, policy or other arrangement, whether formal or informal, written, legally binding or not, under which any current or former employee or director of the Company or any of its Subsidiaries has any present or future right to benefits or the Company or any of its Subsidiaries has had or has any current or future liability to or on behalf of any current or former employee, officer or director of the Company or any of its Subsidiaries (including an obligation to make contributions).

"**Company Products**" means any and all items, products and services marketed, sold, licensed, provided or distributed by Company and its Subsidiaries, and refers also to (i) all

explanatory and informational materials concerning the Company Products and related technical documentation and (ii) all prior, present and future versions thereof (which includes works under development as of the date hereof and that the Company expects or intends to make available commercially after the date hereof).

"**Company Software**" means any Computer Software owned, developed (or currently being developed) by or for the Acquired Companies as part of or incorporated into any Company Product, or otherwise used in the operation of the Company Business.

"**Company Website**" means any public or private web site (whether an internet or intranet site), including all subpages thereof, owned, maintained, or operated by or on behalf of the Acquired Companies.

"**Computer Software**" means computer software, data files, source and object codes (including firmware), tools, user interfaces, systems architecture, developer kits, manuals and other specifications and documentation and all know-how and Trade Secrets embodied therein.

"**Contract**" means any contract, subcontract, agreement, commitment, note, bond, mortgage, indenture, lease, license, sublicense, permit, franchise or other instrument, obligation or binding arrangement or understanding of any kind or character, whether oral or in writing.

"**control**" (including the terms "controlled," "controlled by" and "under common control with") means the possession, directly or indirectly or as trustee or executor, of the power to direct or cause the direction of the management policies of a Person, whether through the ownership of stock, as trustee or executor, by contract or credit arrangement or otherwise.

"**Environmental Laws**" means all Laws of the ROC or of the jurisdiction where the Subsidiary is incorporated protecting the quality of the ambient air, soil, surface water or groundwater, or indoor air, in effect as of the date of this Agreement and any common law related to such.

"**Environmental Permits**" means all permits, licenses, registrations and other authorizations currently required under applicable Environmental Laws.

"**GAAP**" means generally accepted accounting principles, as applied to the Company in the ROC, including International Financial Reporting Standards (IFRS), International Accounting Standards (IAS), and the interpretations thereof, each as endorsed by the FSC pursuant to the Regulations Governing the Preparation of Financial Reports by Securities Issuers (證券發行人財務報告編製準則).

"**Governmental Authority**" means any federal, state, provincial, county or local governmental, regulatory or administrative authority, agency or commission or any judicial or arbitral body in the ROC or otherwise.

"**Intellectual Property**" or "**Intellectual Property Rights**" means any or all of the following and all statutory and/or common law rights throughout the world in, arising out of, or

associated therewith: (i) all ROC, United States and foreign patents and utility models and applications therefore (including provisional applications) and all reissues, divisions, renewals, extensions, provisionals, continuations and continuations in part thereof (collectively, "**Patents**"); (ii) all inventions (whether or not patentable, reduced to practice or made the subject of a pending patent application), invention disclosures and improvements, all trade secrets, proprietary information, know-how and technology, confidential information and all documentation therefore ("**Trade Secrets**"); (iii) all works of authorship, copyrights (registered or otherwise), mask works, copyright and mask work registrations and applications and all other rights corresponding thereto throughout the world, and all rights therein provided by international treaties or conventions (collectively, "**Copyrights**"); (iv) all industrial designs and any registrations and applications therefore; (v) all trade names, logos, trademarks and service marks, whether or not registered, including all common law rights, and trademark and service mark registrations and applications, including but not limited to all marks registered in the Intellectual Property Office of the Ministry of Economic Affairs of the ROC, the United States Patent and Trademark Office, the Trademark Offices of the States and Territories of the United States of America, and the trademark offices of other nations throughout the world, and all rights therein provided by international treaties or conventions (collectively, "**Trademarks**"); (vi) all other rights in databases and data collections (including knowledge databases, customer lists and customer databases); (viii) all rights to Uniform Resource Locators, website addresses and domain names (collectively, "**Domain Names**"); (ix) all moral rights to claim authorship to or to object to any distortion, mutilation, or other modification or other derogatory action in relation to a work, however denominated; and (x) any similar, corresponding or equivalent rights to any of the foregoing.

"**knowledge**," "**knowledge of the Company**," or any other phrases of similar meaning, shall mean the actual knowledge (after reasonable inquiry) of the individuals set forth in Section 1 of the Company Disclosure Letter.

"**Law**" means any statute, law, ordinance, rule, regulation, order, judgment or decree.

"**Liabilities**" means any liability, indebtedness, obligation or commitment of any kind (whether accrued, absolute, contingent, matured, unmatured or otherwise and whether or not required to be recorded or reflected on a balance sheet under GAAP).

"**Lien**" means any lien, pledge, hypothecation, charge, mortgage, security interest, encumbrance, claim, infringement, interference, option, right of first refusal, non-statutory preemptive right, community property interest or restriction of any nature (including any restriction on the voting of any security, any restriction on the transfer of any security or other asset, any restriction on the possession, exercise or transfer of any other attribute of ownership of any asset).

"**Material Adverse Effect**" means any effect, change, event or circumstance (collectively, a "**Change**") that, individually or in the aggregate, has or would reasonably be expected to have or result in a material adverse effect on: (a) the business, condition (financial or otherwise), assets (tangible or intangible), liabilities (contingent or otherwise) or operations of the Acquired Companies taken as a whole; or (b) the ability of the Company to consummate the

transactions contemplated by this Agreement; provided, however, that a Change shall not be deemed a Material Adverse Effect or considered in determining whether there has occurred (or would reasonably be expected to occur) a Material Adverse Effect, if (i) such Change results from (1) general changes, trends or developments in any of the industries in which the Company or any of its Subsidiaries operates, (2) changes in general economic, business, regulatory, political or market conditions or in national or global financial markets, (3) international calamity directly or indirectly involving the ROC, national calamity, an act of war (whether or not declared), sabotage, terrorism, military actions or the escalation thereof, an act of God or other force majeure events, (4) changes in any applicable Laws or GAAP or enforcement or interpretation thereof, (5) any cancellation of or delays in customer orders, failure to obtain new customer orders, disruption in supplier, partnership, distributor, reseller or similar relationships, or loss of employees resulting in each case from the announcement or pendency of this Agreement, (6) shareholder class action or derivative litigation solely arising out of or relating to this Agreement or the proposed consummation of the Offer, the Merger or the other transactions contemplated by this Agreement (7) the failure of the Company to meet analysts' financial expectations or projections, published or internally prepared budgets, plans or forecasts, estimations or other financial performance measures or operating statistics (it being understood that the underlying causes of any such failure may be taken into account in determining whether a Material Adverse Effect has occurred), or (8) changes in trading volume or a decline in the Company's stock price (it being understood that the underlying causes of any such change or decline may be taken into account in determining whether a Material Adverse Effect has occurred), and (ii) with respect to clauses (1) through (4) above, the conditions or circumstances that caused such Change do not have an impact on the Acquired Companies, taken as a whole, that is in any material respect disproportionate to the average impact such conditions or circumstances have on the other companies in the Company's industry.

"**Materials of Environmental Concern**" means any pollutant, contaminant, hazardous, acutely hazardous, or toxic substance or waste defined and regulated as such under applicable Environmental Laws.

"**Open Source Code**" means any Computer Software that is distributed under "open source" or "free software" terms, including any Computer Software distributed under the GPL, LGPL, Mozilla License, Apache License, Common Public License, BSD license or similar terms and including any Computer Software with any license term or condition that: (a) requires or could require or conditions or could condition the availability of the functions of such Computer Software over a computer network or the distribution of such Computer Software, on the disclosure, licensing, or distribution of any source code for any portion of such Computer Software or any derivative work of such Computer Software; or (b) requires such Computer Software or other software combined or distributed with such Computer Software be distributable at no charge.

"**Person**" means an individual, corporation, partnership, limited liability company, association, trust or other entity or organization, including any Governmental Authority.

"**Personal Data**" means a natural person's name, street address, postal code, telephone number, e-mail address, photograph, passport number, credit/debit card number, bank account number, or customer or account number, or any other piece of information that allows the identification of such natural person.

"**Registered IP**" means all Intellectual Property that is registered, filed, issued or granted under the authority of, with or by, any Governmental Authority, including all Patents, registered Copyrights, registered Trademarks, Domain Names and all applications for any of the foregoing.

"**Subsidiary**" of any Person means (i) a company more than fifty percent (50%) of the combined voting power of the outstanding voting stock of which is owned, directly or indirectly, by such Person or by one of more other Subsidiaries of such Person or by such Person and one or more other Subsidiaries thereof, (ii) any other Person of which stock or other equity interests having combined voting power to elect more than fifty percent (50%) of the board of directors, directly or indirectly, by such Person or by one of more other Subsidiaries of such Person or by such Person and one or more other Subsidiaries thereof, or (iii) any other Person in which such Person, or one or more other Subsidiaries of such Person or such Person and one or more other Subsidiaries thereof, directly or indirectly, has at least a majority ownership or power to direct the policies, management and affairs thereof.

"**Superior Proposal**" shall mean any bona fide, written Acquisition Proposal that did not result from a breach of Section 7.3(a), (b) or (c) (i) which, if any cash consideration is involved, is not subject to any financing contingencies (and if financing is required, such financing is then fully committed to the third party making such Acquisition Proposal pursuant to a customary commitment letter from a nationally recognized financial institution) and (ii) with respect to which the Company Board determines in good faith, after consultation with its financial advisor of nationally recognized standing and its outside legal counsel, and after taking into account (A) all legal, financial, regulatory and other aspects of such Acquisition Proposal (including the Person or group of related Persons making the proposal), (B) all of the terms and conditions of such Acquisition Proposal (including any conditions, potential time delays or other risks to the consummation of such Acquisition Proposal), and (C) any counter offer or proposal made by Merger Sub pursuant hereto and within the time period required in Section 7.3(e) hereof, would be more favorable to the Company's shareholders from a financial point of view than the transactions contemplated by the Offer and this Agreement; provided, that for purposes of this definition, each reference in the definition of "Acquisition Transaction" to "10%" shall be deemed to be a reference to "50%".

"**Tax**" (and, with correlative meaning, "**Taxes**") means any federal, state, provincial, local or foreign taxes of whatever kind or nature (together with all interest, penalties and additions imposed with respect to such amounts) imposed by a Governmental Authority including taxes on or with respect to income, franchises, windfall or other profits, gross receipts, property, sales, use, capital stock, payroll, employment, unemployment, social security, workers' compensation, margin or net worth, and taxes in the nature of excise, withholding, ad valorem or value added taxes.

"**Tax Returns**" means any foreign or domestic (whether national, federal, state, provincial, local or otherwise) return, declaration, statement, report, schedule, form or information return relating to Taxes, including, without limitation, any amended tax return, declaration of estimated tax or claim for refund.

"**User Data**" means any Personal Data or other data or information collected by or on behalf of the Acquired Companies from end users of any Company Website or any Company Product.

ARTICLE II
THE OFFER

Section 2.1 [redacted]

(a) [redacted]

(b) [redacted]

(c) [redacted]

(d) [redacted]

[redacted]

ARTICLE III
THE MERGER

Section 3.1 The Merger.

Upon the terms and subject to the satisfaction or, to the extent permitted by applicable Laws, waiver of the conditions set forth in this Agreement and in accordance with applicable Laws, at the Closing Date, the Company shall be merged with and into Merger Sub. Following the Merger, the separate corporate existence of the Company shall cease, and Merger Sub shall continue as the surviving corporation in the Merger (the "**Surviving Corporation**").

Section 3.2 [redacted]

[redacted]

Section 3.3 [redacted]

[redacted]

Section 3.4 Effects of the Merger.

The Merger shall have the effects set forth in this Agreement and in the relevant provisions of applicable Law. Without limiting the generality of the foregoing, and subject thereto, at the Closing Date, all the property, rights, privileges, powers and franchises of the Company shall vest in the Surviving Corporation and be transferred to the Taiwan branch office of the Surviving Corporation, and all debts, liabilities and duties of the Company shall become

the debts, liabilities and duties of the Surviving Corporation and be transferred to the Taiwan branch office of the Surviving Corporation.

Section 3.5 [redacted]

[redacted]

(b) At the Closing Date, the name of Surviving Corporation is "Microchip Technology (Barbados) II Incorporated."

Section 3.6 [redacted]

[redacted]

Section 3.7 [redacted]

[redacted]

ARTICLE IV

[redacted]

Section 4.1 [redacted]

[redacted]

(a) [redacted]

(g) [redacted]

Section 5.18 [redacted]

[redacted]

Section 5.19 Intellectual Property.

(a) Registered IP. Section 5.19(a) of the Company Disclosure Letter accurately identifies each item of Registered IP in which an Acquired Company has or purports to have an ownership interest of any nature (whether exclusively, jointly with another Person or otherwise) as of the date hereof ("**Company Registered IP**"). The Company Registered IP is subsisting and, to the knowledge of the Acquired Company, valid and enforceable. The Company has no knowledge of any information, materials, facts or circumstances, including any information or fact that would constitute prior art, that would render any of such Company Registered IP invalid or unenforceable, or would materially affect any pending application for any Company Registered IP. The Company has not misrepresented, or knowingly failed to disclose, any facts or circumstances in any application or proceedings for any Company Registered IP that would constitute fraud or a misrepresentation with respect to such application or that would otherwise affect the enforceability of any Company Registered IP. To the knowledge of the Company, with respect to each item of Company Registered IP: (i) all necessary registration, maintenance and renewal fees have been paid, and all necessary documents and certificates have been filed with the relevant patent, copyright, trademark, domain registrars or other authorities in the ROC, the United States or foreign jurisdictions, as the case may be, for the purposes of maintaining such Company Registered IP; (ii) is in material compliance with all formal legal requirements with respect thereto (including payment of filing, examination and maintenance fees and proofs of use), and (iii) is not subject to any unpaid maintenance fees or taxes. Except as set forth in Section 5.19(a) of the Company Disclosure

Letter, there are no actions that must be taken by Company or its Subsidiaries by December 31, 2014, including, with respect to each item of Company Registered IP, the payment of any registration, maintenance or renewal fees or the filing of any documents, applications or certificates for the purposes of maintaining, perfecting or preserving or renewing any Company Registered IP.

(b) [redacted]

(c) [redacted]

(d) [redacted]

(e) [redacted]

[redacted]

Section 10.11 [redacted]

[redacted]

Section 10.12 [redacted]

[redacted]

Section 10.13 [redacted]

[redacted]

Section 10.14 [redacted]

[redacted]

Section 10.15 Plan of Merger.

The parties hereto agree to execute and file with the Cayman Islands Registrar of Companies a plan of merger, substantially in the form set forth on Exhibit A hereto, and other documents in accordance with applicable Laws of the Cayman Islands. In the event of any

conflict or inconsistency between this Agreement and the document executed or filed hereof, this Agreement shall prevail.

[Signature page follows]

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed as of the date first written above by their respective officers thereunto duly authorized.

Microchip Technology (Barbados) II Incorporated

By: /s/: James Eric Bjornholt
Name: James Eric Bjornholt
Title: Director

ISSC Technologies Corp.

By: /s/: Max Wu
Name: Max Wu
Title: Chairman of the Board