

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5565251

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Z124 LLC	06/05/2012
RECEIVING PARTY DATA	
Name:	Z124
Street Address:	c/o Maples Corporate Services Limited
Internal Address:	P.O. Box 309GT, Ugland House, South Church Street
City:	George Town, Grand Cayman
State/Country:	CAYMAN ISLANDS
Postal Code:	KY11104
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16437163
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	6583-383-CON-2
NAME OF SUBMITTER:	DOUGLAS W. SWARTZ
SIGNATURE:	/Douglas W. Swartz/
DATE SIGNED:	06/11/2019
Total Attachments: 4	
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PATENT ASSIGNMENT

This is an Assignment by Z124 LLC ("ASSIGNOR"), a Colorado corporation having an address of 305 Interlocken Parkway, Broomfield, Colorado, 80021, to Z124 ("ASSIGNEE"), a Grand Cayman corporation having an address of c/o Maples Corporate Services Limited, P.O. Box 309GT, Uglan House, South Church Street, George Town, Grand Cayman KY1-1104, CAYMAN ISLANDS.

WHEREAS, ASSIGNOR is the owner of all right, title and interest in and to the United States, international, and foreign patents and applications identified in Appendix A attached hereto (collectively "PATENTS");


WHEREAS, ASSIGNEE, is desirous of acquiring and ASSIGNOR is willing and able to assign all right, title and interest in and to said PATENTS;

NOW THEREFORE, be it known that for certain good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer to the ASSIGNEE, its successors, legal representatives and assigns, as of the date signed below, all right, title and interest in and to the PATENTS, all related continuation, divisional, continuation-in-part and reissue applications, all related patent applications in foreign countries, all related applications pursuant to the Patent Cooperation Treaty and all related applications for extension filed or to be filed for the corresponding inventions, and all Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights obtained for the inventions in the United States or any other country; ASSIGNOR also assigns any right, title or interest in and to the said inventions which has not already been transferred to ASSIGNEE; ASSIGNOR warrants that no assignment, license or encumbrance has been made with respect to the inventions or any patent therefor to a party other than the ASSIGNEE, and is under no obligation to make any assignment, license or encumbrance of the invention, application, or patent therefor to any other party; and the ASSIGNOR further agrees to cooperate with the ASSIGNEE in the sustaining of any and all said PATENTS and in confirming the ASSIGNEE'S exclusive ownership of the corresponding inventions.

IN WITNESS WHEREOF, this Assignment is executed on behalf of ASSIGNOR.

Date: 6-5-2012

Z124 LLC

By: 

Name: TIMOTHY L STEWART

Title: VP, Secretary

ATTACHMENT A. PATENT APPLICATIONS			TITLE
MFB Matter No	COUNTRY	SERIAL NO	
50224-00704	US	12/905,887	MOBILE PRINTING FRAMEWORK
50224-00705	US	12/891,290	HIGH SPEED PARALLEL DATA EXCHANGE
50224-00729	US	13/186,307	HIGH SPEED PARALLEL DATA EXCHANGE WITH TRANSFER RECOVERY
50224-00721	US	12/905,920	MIRRORED REMOTE PERIPHERAL INTERFACE
50224-00728	US	12/891,438	HIGH SPEED PARALLEL DATA EXCHANGE WITH RECEIVER SIDE DATA HANDLING
50224-00749	US	12/948,701	USER INTERFACE WITH INDEPENDENT DRAWER CONTROL
50224-00726	US	12/948,699	USER INTERFACE WITH STACKED APPLICATION MANAGEMENT
50224-00725	US	12/948,686	USER INTERFACE WITH SCREEN SPANNING ICON MORPHING
50224-00714	US	12/948,684	GESTURE BASED APPLICATION MANAGEMENT
50224-00713	US	12/948,682	MULTI-SCREEN USER INTERFACE WITH ORIENTATION BASED CONTROL
50224-00712	US	12/948,676	GESTURE CONTROLS FOR MULTI-SCREEN HIERARCHICAL APPLICATIONS
50224-00711	US	12/948,675	GESTURE CONTROLLED SCREEN REPOSITIONING FOR ONE OR MORE DISPLAYS
50224-00710	US	12/948,667	GESTURE CONTROLS FOR MULTI-SCREEN USER INTERFACE
50224-01927	US	13/217,108	MULTI-OPERATING SYSTEM
50224-01928	US	13/251,427	CROSS-ENVIRONMENT APPLICATION COMPATIBILITY
50224-01929	US	13/247,166	CROSS-ENVIRONMENT REDIRECTION
50224-01930	US	13/217,121	AUTO-CONFIGURATION OF A DOCKED SYSTEM IN A MULTI-OS ENVIRONMENT
50224-01931	US	13/217,130	AUTO-WAKING OF A SUSPENDED OS IN A DOCKABLE SYSTEM
50224-01932	US	13/247,170	CROSS-ENVIRONMENT USER INTERFACE MIRRORING
50224-01933	US	13/246,669	USER INTERACTION SUPPORT ACROSS CROSS-ENVIRONMENT APPLICATIONS
50224-01308	US	13/217,099	CROSS-ENVIRONMENT COMMUNICATION FRAMEWORK: CECF
50224-02077	US	13/247,885	CROSS-ENVIRONMENT COMMUNICATION USING APPLICATION SPACE API
50224-02070	US	13/250,764	CROSS-ENVIRONMENT EVENT HANDLING
50224-02071	US	13/251,434	INTEGRATED HANDSET BROWSER SETTINGS
50224-02079	US	13/246,118	EXTENDED GRAPHICS CONTEXT WITH COMMON COMPOSITING
50224-02080	US	13/246,128	APPLICATION MIRRORING USING MULTIPLE GRAPHICS CONTEXTS
50224-02081	US	13/246,133	CROSS-ENVIRONMENT USER INTERFACE MIRRORING USING REMOTE RENDERING
50224-02082	US	13/246,675	USER INTERACTION ACROSS CROSS-ENVIRONMENT APPLICATIONS THROUGH AN EXTENDED GRAPHICS CONTEXT
50224-01134	US	13/246,665	INSTANT REMOTE RENDERING
50224-02078	US	13/246,671	EXTENDED GRAPHICS CONTEXT WITH DIVIDED COMPOSITING
50224-02118	US	13/251,768	DOCKING PORTABLE ELECTRONIC DEVICES, SYSTEMS AND METHODS FOR

PATENT

REEL: 049429 FRAME: 0690

50224-02182	US	13/252,012	USER INTERFACES FOR DOCKING PORTABLE ELECTRONIC, SYSTEMS AND METHODS RELATING TO USER INTERFACES FOR DOCKING PORTABLE ELECTRONIC
50224-00736	US	12/943,853	MOBILE PRINTING FRAMEWORK
50224-00748	US	13/188,391	UNIVERSAL REMOTE CONTROL WITH AUTOMATED SETUP
50224-00751	US	13/036,659	POWER ALLOCATION IN DEVICES
50224-00752	US	13/036,838	POWER-ALLOCATION INTERFACE
50224-02190	US	13/299,203	MULTI-SCREEN EMAIL CLIENT
50224-00757	US	13/187,026	RECEIVING GESTURE INPUTS SPANNING MULTIPLE INPUT DEVICES, SYSTEMS AND METHODS FOR RECEIVING GESTURE INPUTS SPANNING MULTIPLE INPUT DEVICES
50224-00773	US	13/188,335	MULTIPLE MESSAGING COMMUNICATION OPTIMIZATION
50224-02184	WO	PCT/US2011/056150	MOBILE PRINTING FRAMEWORK
50224-02115	WO	PCT/US2011/052355	HIGH SPEED PARALLEL DATA EXCHANGE
50224-02117	WO	PCT/US2011/052563	HIGH SPEED PARALLEL DATA EXCHANGE WITH TRANSFER RECOVERY
50224-02185	WO	PCT/US2011/056149	MIRRORED REMOTE PERIPHERAL INTERFACE
50224-02116	WO	PCT/US2011/052556	HIGH SPEED PARALLEL DATA EXCHANGE WITH RECEIVER SIDE DATA HANDLING
50224-02119	WO	PCT/US2011/052598	USER INTERFACE WITH INDEPENDENT DRAWER CONTROL
50224-02120	WO	PCT/US2011/052619	USER INTERFACE WITH STACKED APPLICATION MANAGEMENT
50224-02121	WO	PCT/US2011/052822	USER INTERFACE WITH SCREEN SPANNING ICON MORPHING
50224-02122	WO	PCT/US2011/052802	GESTURE BASED APPLICATION MANAGEMENT
50224-02123	WO	PCT/US2011/052811	MULTI-SCREEN USER INTERFACE WITH ORIENTATION BASED CONTROL
50224-02124	WO	PCT/US2011/052815	GESTURE CONTROLS FOR MULTI-SCREEN HIERARCHICAL APPLICATIONS
50224-02125	WO	PCT/US2011/053032	GESTURE CONTROLLED SCREEN REPOSITIONING FOR ONE OR MORE DISPLAYS
50224-02126	WO	PCT/US2011/052932	GESTURE CONTROLS FOR MULTI-SCREEN USER INTERFACE
50224-02137	WO	PCT/US2011/054605	CROSS-ENVIRONMENT APPLICATION COMPATIBILITY
50224-02127	WO	PCT/US2011/052988	MULTI-OPERATING SYSTEM
50224-02138	WO	PCT/US2011/053909	CROSS-ENVIRONMENT REDIRECTION
50224-02128	WO	PCT/US2011/053127	AUTO-CONFIGURATION OF A DOCKED SYSTEM IN A MULTI-OS ENVIRONMENT
50224-02129	WO	PCT/US2011/053037	AUTO-WAKING OF A SUSPENDED OS IN A DOCKABLE SYSTEM
50224-02139	WO	PCT/US2011/053923	CROSS-ENVIRONMENT USER INTERFACE MIRRORING
50224-02130	WO	PCT/US2011/053130	CROSS-ENVIRONMENT COMMUNICATION FRAMEWORK
50224-02135	WO	PCT/US2011/053826	CROSS-ENVIRONMENT COMMUNICATION USING APPLICATION SPACE API
50224-02141	WO	PCT/US2011/054623	CROSS-ENVIRONMENT EVENT NOTIFICATION
50224-02131	WO	PCT/US2011/053585	EXTENDED GRAPHICS CONTEXT WITH COMMON COMPOSITING
50224-02132	WO	PCT/US2011/053665	APPLICATION MIRRORING USING MULTIPLE GRAPHICS CONTEXTS

50224-02133	WO	PCT/US2011/053691	CROSS-ENVIRONMENT USER INTERFACE MIRRORING USING REMOTE RENDERING
50224-02144	WO	PCT/US2011/054019	USER INTERACTION ACROSS CROSS-ENVIRONMENT APPLICATIONS THROUGH AN EXTENDED GRAPHICS CONTEXT
50224-02136	WO	PCT/US2011/053835	INSTANT REMOTE RENDERING
50224-02142	WO	PCT/US2011/054601	INTEGRATED HANDSET BROWSER SETTINGS
50224-02145	WO	PCT/US2011/054609	SYSTEMS AND METHODS FOR DOCKING PORTABLE ELECTRONIC DEVICES
50224-02183	WO	PCT/US2011/054643	SYSTEMS AND METHODS RELATING TO USER INTERFACES FOR DOCKING PORTABLE DEVICES
50224-02186	WO	PCT/US2011/056152	MOBILE PRINTING FRAMEWORK
50224-02201	WO	PCT/US2011/060941	UNIVERSAL REMOTE CONTROL WITH AUTOMATED SETUP
50224-02202	WO	PCT/US2011/061249	MULTI-SCREEN EMAIL CLIENT