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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
INTELLECTUAL VENTURES I LLC	10/26/2017

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 13

Property Type	Number
Patent Number:	6088752
Patent Number:	6070214
Patent Number:	7734852
Patent Number:	7269680
Patent Number:	6715022
Patent Number:	6578101
Patent Number:	RE41494
Patent Number:	7657678
Patent Number:	7356634
Patent Number:	8060675
Patent Number:	8291140
Patent Number:	9535454
Application Number:	15659439

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DATE SIGNED:	12/20/2017	

Total Attachments: 5

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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Intellectual Ventures I LLC, a Delaware limited liability company with an address at 251 Little Falls Drive, Wilmington, DE 19808 ("Assignor"), does hereby sell, assign, transfer, and convey unto Intellectual Ventures Assets 63 LLC a Delaware limited liability company with an address at 251 Little Falls Drive, Wilmington, DE 19808 ("Assignee"), all of Assignor's right, title, and interest in and to the following (collectively, the "Assigned Patent Rights"):

(a) the patents and patent applications listed in the table below (the "Patents");

Patent/ Application Number	Country	Issue Date/ Filing Date	Title of Patent and Inventor(s)
6088752 (09/130057)	US	7/11/2000 (8/6/1998)	Method and apparatus for exchanging information between buses in a portable computer and docking station through a bridge employing a serial link
			Frank Ahern
6070214 (09/130058)	US	5/30/2000 (8/6/1998)	SERIALLY LINKED BUS BRIDGE FOR EXPANDING ACCESS OVER A FIRST BUS TO A SECOND BUS
			Frank Ahern
7734852 (09/559678)	US	6/8/2010 (4/27/2000)	MODULAR COMPUTER SYSTEM Frank W. Ahern; Desi Rhoden; Jeff Doss; Charles Mollo
7269680 (09/819053)	US	9/11/2007 (5/20/2000)	SYSTEM ENABLING DEVICE COMMUNICATION IN AN EXPANDED COMPUTING DEVICE
			Frank W. Ahern
6715022 (09/819054)	us	3/30/2004 (5/20/2000)	UNIQUE SERIAL PROTOCOL MIMICKING PARALLEL BUS
			Frank W. Ahern

Patent/ Application Number	Country	Issue Date/ Filing Date	Title of Patent and Inventor(s)
6578101 (09/819057)	US	6/10/2003 (5/20/2000)	DUPLEX OPERATION AND SIMULTANEOUS INFORMATION TRANSFER ACROSS A LINK IN A EXPANDED COMPUTER SYSTEM
			Frank W. Ahern
CA2445711 (CA2445711)	CA	4/13/2010 (4/19/2001)	MODULAR COMPUTER SYSTEM
,		,	Charles Mollo; Des Rhoden; Frank W Ahern; Jeff Doss
DE60149764.3 (DE60149764.3)	DE	2/17/2016 (4/19/2001)	MODULAR COMPUTER SYSTEM
,			Ahern, Frank W.; Doss, Jeff; Mollo, Charles; Rhodern, Desi
FR1275049 (FR01930580.4)	FR	2/17/2016 (4/19/2001)	MODULAR COMPUTER SYSTEM
		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Ahern, Frank W.; Doss, Jeff; Mollo, Charles; Rhodern, Desi
GB1275049 (GB01930580.4)	GB	2/17/2016 (4/19/2001)	MODULAR COMPUTER SYSTEM
,			Ahern, Frank W.; Doss, Jeff; Mollo, Charles; Rhodern, Desi
DE60126074.0 (DE60126074.0)	DE	1/17/2007 (4/19/2001)	EXTENDED CARDBUS/PC CARD CONTROLLER WITH SPLIT- BRIDGE TECHNOLOGY
			Charles Mollo; Frank W Ahern; Jeff Doss
FR1275048 (FR01925078.6)	FR	1/17/2007 (4/19/2001)	EXTENDED CARDBUS/PC CARD CONTROLLER WITH SPLIT- BRIDGE TECHNOLOGY
			Frank W. Ahern; Jeff Doss; Charles Mollo
GB1275048 (GB01925078.6)	GB	1/17/2007 (4/19/2001)	EXTENDED CARDBUS/PC CARD CONTROLLER WITH SPLIT- BRIDGE TECHNOLOGY
			Frank W. Ahern; Jeff Doss; Charles Mollo

Patent/ Application Number	Country	Issue Date/ Filing Date	Title of Patent and Inventor(s)
RE41494 (11/183298)	US	8/10/2010 (7/15/2005)	EXTENDED CARDBUS/PC CARD CONTROLLER WITH SPLIT- BRIDGE TECHNOLOGY
			Frank W. Ahern; Charles Mollo; Doss Jeff
7657678 (11/300131)	US	2/2/2010 (12/13/2005)	MODULAR COMPUTER SYSTEM Frank W. Ahern; Desi Rhoden; Jeff
			Doss; Charles Mollo
7356634 (11/513976)	US	4/8/2008 (8/31/2006)	DEVICE INCLUDING SERIAL INTERFACE
			Frank Ahern
8060675 (12/644511)	US	11/15/2011 (12/22/2009)	COMPUTING MODULE WITH SERIAL DATA CONNECTIVITY
			Frank W. Ahern; Desi Rhoden; Jeff Doss; Charles Mollo
8291140 (13/240773)	US	10/16/2012 (9/22/2011)	COMPUTING MODULE WITH SERIAL DATA CONNECTIVITY
			Charles Mollo; Jeff Doss; Desi Rhoden; Frank W. Ahern
9535454 (13/652823)	us	1/3/2017 (10/16/2012)	COMPUTING MODULE WITH SERIAL DATA CONNECTIVITY
			Frank W. Ahern; Desi Rhoden; Jeff Doss; Charles Mollo
15/659439	US	7/25/2017	COMPUTING MODULE WITH SERIAL DATA CONNECTIVITY
			Frank W. Ahern; Desi Rhoden; Jeff Doss; Charles Mollo
DE60028549.9 (DE60028549.9)	DE	6/7/2006 (2/14/2000)	BUS BRIDGE
			Frank Ahern
FR1161727 (FR00908635.6)	FR	6/7/2006 (2/14/2000)	BUS BRIDGE
		1	Frank Ahern

Patent/ Application Number	Country	Issue Date/ Filing Date	Title of Patent and Inventor(s)
GB1161727 (GB00908635.6)	GB	6/7/2006 (2/14/2000)	BUS BRIDGE
(1000/00033.0)		(271 112000)	Frank Ahern
DE60048336.3 (DE60048336.3)	DE	11/13/2013 (2/14/2000)	BUS BRIDGE
			Ahem, Frank
FR1653373 (FR05015567.0)	FR	11/13/2013 (2/14/2000)	Ahern, Frank
		<u> </u>	
GB1653373 (GB05015567.0)	GB	11/13/2013 (2/14/2000)	Bus bridge
(3505015501.0)		(2/11/2000)	Frank Ahern
JP4987376 (JP2006-203293)	JР	5/11/2012 (2/14/2000)	Link bridge
(0.2000 2002)		(2/11/2000)	Frank Ahern
JP5033228 (JP2010-204908)	JP	7/6/2012 (2/14/2000)	Link bridge
			Frank Ahern
KR10-0757223 (KR10-2001-7013158)	KR	9/4/2007 (2/14/2000)	Bus bridge
			Frank Ahern
DE60028570.7 (DE60028570.7)	DE	6/7/2006 (2/14/2000)	COMPUTER DOCKING SYSTEM AND METHOD
			Frank Ahern
FR1188120 (FR00908634.9)	FR	6/7/2006 (2/14/2000)	COMPUTER DOCKING SYSTEM AND METHOD
			Frank Ahern
GB1188120 (GB00908634.9)	GB	6/7/2006 (2/14/2000)	METHOD AND APPARATUS FOR EXCHANGING INFORMATION BETWEEN BUSES IN A PORTABLE COMPUTER AND DOCKING STATION THROUGH A BRIDGE EMPLOYING A SERIAL LINK
			Inventorship not available

Patent/ Application Number	Country	Issue Date/ Filing Date	Title of Patent and Inventor(s)
KR10-0757224 (KR10-2001-7013161)	KR	9/4/2007 (2/14/2000)	Computer docking system and method
			Frank Ahern

- (b) any future reissues, reexaminations, extensions, continuations, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any of the Patents;
- (c) rights to apply in any or all countries of the world for future patents, certificates of invention, utility models, industrial design protections, design patent protections, or other future governmental grants or issuances of any type related to the Patents; and
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Assignor will, at the reasonable request of Assignee, take all reasonable steps necessary and proper, to confirm the assignment to Assignee of the Assigned Patent Rights pursuant to this Assignment of Patent Rights, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining and perfecting the Assigned Patent Rights

Intelle	ctual Ventures I LLC:
By:	Transfer
Name:	Tracy Lemke
Title:	Authorized Person

RECORDED: 12/20/2017