

## PATENT ASSIGNMENT COVER SHEET

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<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
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<b>PROPERTY NUMBERS Total: 13</b>	
<b>Property Type</b>	<b>Number</b>
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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<b>Total Attachments: 5</b> source=Intellectual Ventures I Assignment to Intellectual Ventures Assets 63_26 Oct 2017#page1.tif source=Intellectual Ventures I Assignment to Intellectual Ventures Assets 63_26 Oct 2017#page2.tif source=Intellectual Ventures I Assignment to Intellectual Ventures Assets 63_26 Oct 2017#page3.tif source=Intellectual Ventures I Assignment to Intellectual Ventures Assets 63_26 Oct 2017#page4.tif source=Intellectual Ventures I Assignment to Intellectual Ventures Assets 63_26 Oct 2017#page5.tif	

## 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*");

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventor(s)</u>
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

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventor(s)</u>
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

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventor(s)</u>
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  Frank Ahern

<u>Patent/ Application Number</u>	<u>Country</u>	<u>Issue Date/ Filing Date</u>	<u>Title of Patent and Inventor(s)</u>
GB1161727 (GB00908635.6)	GB	6/7/2006 (2/14/2000)	BUS BRIDGE  Frank Ahern
DE60048336.3 (DE60048336.3)	DE	11/13/2013 (2/14/2000)	BUS BRIDGE  Ahern, Frank
FR1653373 (FR05015567.0)	FR	11/13/2013 (2/14/2000)	  Ahern, Frank
GB1653373 (GB05015567.0)	GB	11/13/2013 (2/14/2000)	Bus bridge  Frank Ahern
JP4987376 (JP2006-203293)	JP	5/11/2012 (2/14/2000)	Link bridge  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

