

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5254229

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PRINTERON INC.	10/01/2018
RECEIVING PARTY DATA	
Name:	Hewlett-Packard Development Company, L.P.
Street Address:	11445 Compaq Center Drive West
City:	Houston
State/Country:	TEXAS
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PROPERTY NUMBERS Total: 1	
Property Type	Number
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ATTORNEY DOCKET NUMBER:	84737044
NAME OF SUBMITTER:	BRENDA L. THOM
SIGNATURE:	/Brenda L. Thom/
DATE SIGNED:	11/27/2018
Total Attachments: 7	
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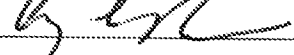
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**EXHIBIT B
PATENT ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, PrinterOn Inc., a corporation organized under the laws of the Province of Ontario, Canada with a principal office and place of business at 221 McIntyre Drive, Kitchener, ON, N2R 1G1, Canada ("Assignor"), hereby grants and assigns to Hewlett-Packard Development Company, L.P., a limited partnership duly organized and existing under the laws of the State of Texas and having its principal place of business at 11445 Compaq Drive West, Houston, Texas 77070-1443, U.S.A. ("Assignee") all of Assignor's right, title and interest, including all rights of priority, in and to the Letters Patents and applications for Letters Patents identified in the attached Appendix I (collectively, "Assigned Patents") and in and to any and all Letters Patents and applications for Letters Patents (i) that claim priority or benefit from any of such Assigned Patents or (ii) from which any of such Assigned Patents claim priority or benefit, to have and to hold the same, for Assignee's own use and enjoyment and for the use and enjoyment of its successors and assigns, and the right to sue for damages for infringement of such Assigned Patents accruing at any time prior to, on, and/or after the date hereof, for the full term or terms of all such Assigned Patents, subject to all rights granted under the Assigned Patents to any and all parties (including Assignor) prior to or concurrent with October 1, 2018.

IN WITNESS WHEREOF, the Assignor executed this Assignment of Patent Rights by their duly authorized representatives as of the Effective Date as set forth below:

PRINTERON INC.

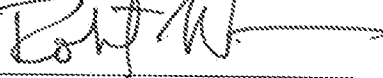
By: 

Name: Angus Cunningham

Title: Chief Executive Officer

HEWLETT-PACKARD DEVELOPMENT COMPANY, L.P.

**By: HPQ Holdings, LLC,
its General Partner**

By: 

Name: Robert D. Wasson

Title: Manager

Appendix I Assigned Patents

Patent ID	App Title	Country	Filed Date	Grant Date	Patent No.	Application Number
84736940	NETWORK RESOURCE CONTROL SYSTEM	Canada	2000-03-01	2012-02-21	2299824	2299824
84736941	NETWORK RESOURCE COMMUNICATION SYSTEM	Austria	2001-03-01			20010911300
84736942	SECURE NETWORK RESOURCE ACCESS SYSTEM	Patent Cooperation Treaty	2001-03-01			PCT/CA2001/00235
84736943	NETWORK RESOURCE CONTROL SYSTEM	Patent Cooperation Treaty	2001-03-01			PCT/CA2001/00236
84736944	NETWORK RESOURCE ACCESS SYSTEM	Patent Cooperation Treaty	2001-03-01			PCT/CA2001/00237
84736945	NETWORK RESOURCE COMMUNICATION SYSTEM	Patent Cooperation Treaty	2001-03-01			PCT/CA2001/00238
84736949	SECURE NETWORK RESOURCE ACCESS SYSTEM	Australia	2001-03-01			2001240383
84736950	SECURE NETWORK RESOURCE ACCESS SYSTEM	European Patent	2001-03-01	2007-09-19	1260058	01911300.0
84736951	SECURE NETWORK RESOURCE ACCESS SYSTEM	United Kingdom	2001-03-01	2007-09-19	1260058	01911300.0
84736952	SECURE NETWORK RESOURCE ACCESS SYSTEM	Germany (Federal Republic of)	2001-03-01	2007-09-19	60130543.4	1911300.0
84736961	NETWORK RESOURCE COMMUNICATION SYSTEM	United States of America	2014-06-17			14/306392
84736971	NETWORK RESOURCE CONTROL SYSTEM	Australia	2001-03-01			2001240384
84736972	NETWORK RESOURCE CONTROL SYSTEM	European Patent	2001-03-01	2018-05-30	1260059	01911301.8
84736973	NETWORK RESOURCE CONTROL SYSTEM	European Patent	2001-03-01	2014-04-23	2334037	10011973.4
84736974	NETWORK RESOURCE CONTROL SYSTEM	Denmark	2001-03-01	2014-04-23	2334037	10011973.4
84736975	NETWORK RESOURCE CONTROL SYSTEM	United States of America	2002-01-18	2006-02-28	7007093	09/926438
84736982	NETWORK RESOURCE ACCESS SYSTEM	Australia	2001-03-01			2001239041
84736983	NETWORK RESOURCE ACCESS SYSTEM	European Patent	2001-03-01	2004-04-28	1260060	01913412.1
84736984	NETWORK RESOURCE ACCESS SYSTEM	Germany (Federal Republic of)	2001-03-01	2004-04-28	60103027.3	1913412.1
84736985	NETWORK RESOURCE ACCESS SYSTEM	United Kingdom	2001-03-01	2004-04-28	1260060	01913412.1
84736986	NETWORK RESOURCE ACCESS SYSTEM	United States of America	2002-01-18	2006-01-24	6990527	09/926439

Patent ID	App Title	Country	Filed Date	Grant Date	Patent No.	Application Number
84736987	NETWORK RESOURCE COMMUNICATION SYSTEM	Austria	2001-03-01			20010913412
84736994	NETWORK RESOURCE COMMUNICATION SYSTEM	Australia	2001-03-01			2001240385
84736995	NETWORK RESOURCE COMMUNICATION SYSTEM	European Patent	2001-03-01	2010-12-08	1262039	01911302.6
84736996	NETWORK RESOURCE COMMUNICATION SYSTEM	United Kingdom	2001-03-01	2010-12-08	1262039	01911302.6
84736997	NETWORK RESOURCE COMMUNICATION SYSTEM	Germany (Federal Republic of)	2001-03-01	2010-12-08	60143605.9	1911302.6
84736998	NETWORK RESOURCE COMMUNICATION SYSTEM	Austria	2001-03-01			20010911302
84736999	NETWORK RESOURCE COMMUNICATION SYSTEM	United States of America	2002-01-18			09/926437
84737017	WIRELESS ATTACHMENT ENABLING	Canada	2000-03-13			2301996
84737018	LIMITED-BANDWIDTH ELECTRONIC DATA COMMUNICATION SYSTEM	Austria	2001-03-13			20010916783
84737019	LIMITED-BANDWIDTH ELECTRONIC DATA COMMUNICATION SYSTEM	Patent Cooperation Treaty	2001-03-13			PCT/CA2001/00303
84737020	LIMITED-BANDWIDTH ELECTRONIC DATA COMMUNICATION SYSTEM	Australia	2001-03-13	2007-06-21	2001243980	2001243980
84737021	LIMITED-BANDWIDTH ELECTRONIC DATA COMMUNICATION SYSTEM	United States of America	2002-01-18	2011-03-08	7904594	09/926474
84737022	LIMITED-BANDWIDTH ELECTRONIC DATA COMMUNICATION SYSTEM FIELD OF THE INVENTION	United States of America	2011-02-03	2014-08-19	8812736	13/020322
84737023	LIMITED-BANDWIDTH ELECTRONIC DATA COMMUNICATION SYSTEM	European Patent	2001-03-13	2009-01-14	1266487	01916783.2
84737024	LIMITED-BANDWIDTH ELECTRONIC DATA COMMUNICATION SYSTEM	Germany (Federal Republic of)	2001-03-13	2009-01-14	60137408.8	1916783.2
84737025	LIMITED-BANDWIDTH ELECTRONIC DATA COMMUNICATION SYSTEM	United Kingdom	2001-03-13	2009-01-14	1266487	01916783.2
84737031	SYSTEM AND METHOD FOR UPDATING PRINTER LOCATION INFORMATION FIELD	United States of America	2010-09-17	2017-12-26	9853864	12/884722

Patent ID	App Title	Country	Filed Date	Grant Date	Patent No.	Application Number
84737032	SYSTEM AND METHOD FOR UPDATING PRINTER LOCATION INFORMATION	Patent Cooperation Treaty	2011-09-08			PCT/CA2011/00092
84737033	SYSTEM AND METHOD FOR UPDATING PRINTER LOCATION INFORMATION FIELD	Canada	2011-09-08			2751913
84737034	SYSTEM AND METHOD FOR UPDATING PRINTER LOCATION INFORMATION	European Patent	2011-09-08			11824384.9
84737037	SYSTEM AND METHOD THAT PROVIDES USER INTERFACE ON MOBILE NETWORK TERMINAL FOR RELEASING PRINT JOBS BASED ON LOCATION INFORMATION	United States of America	2010-09-17	2013-10-29	8570566	12/884799
84737038	SYSTEM AND METHOD FOR RELEASING PRINT JOBS BASED ON LOCATION INFORMATION	Patent Cooperation Treaty	2011-09-08			PCT/CA2011/00093
84737039	SYSTEM AND METHOD FOR RELEASING PRINT JOBS BASED ON LOCATION INFORMATION	Canada	2011-09-08			2751918
84737040	SYSTEM AND METHOD FOR RELEASING PRINT JOBS BASED ON LOCATION INFORMATION	European Patent	2011-09-08			11824385.6
84737041	SYSTEM AND METHOD FOR RELEASING PRINT JOBS BASED ON LOCATION INFORMATION	United States of America	2013-08-15	2015-06-16	9058138	13/967794
84737044	SYSTEM AND METHOD FOR MANAGING PRINTER RESOURCES ON AN INTERNAL NETWORK	United States of America	2010-09-17	2015-03-03	8970873	12/884743
84737045	SYSTEM AND METHOD FOR MANAGING PRINTER RESOURCES ON AN INTERNAL NETWORK	Canada	2011-09-08			2751924
84737046	SYSTEM AND METHOD FOR MANAGING PRINTER RESOURCES ON AN INTERNAL NETWORK	Patent Cooperation Treaty	2011-09-08			PCT/CA2011/00091
84737047	SYSTEM AND METHOD FOR MANAGING PRINTER RESOURCES ON AN INTERNAL NETWORK	European Patent	2011-09-08			11824383.1
84737050	SYSTEM FOR INTERNET ENABLED PRINTING	United States of America	2010-11-30			61/418143
84737051	SYSTEM FOR INTERNET ENABLED PRINTING	Canada	2011-11-28			2759736
84737052	SYSTEM FOR INTERNET ENABLED PRINTING	Patent Cooperation Treaty	2011-11-28			PCT/CA2011/001295
84737053	SYSTEM FOR INTERNET ENABLED PRINTING	European Patent	2011-11-28			11845210.1

Patent ID	App Title	Country	Filed Date	Grant Date	Patent No.	Application Number
84737054	SYSTEM FOR INTERNET ENABLED PRINTING	United States of America	2011-11-28	2017-09-12	9760329	13/304798
84737057	STREAMLINED SYSTEM FOR THE TRANSMISSION OF NETWORK RESOURCE DATA	United States of America	2014-02-04	2016-05-31	9356882	14/172225
84737058	STREAMLINED SYSTEM FOR THE TRANSMISSION OF NETWORK RESOURCE DATA	Canada	2015-02-04			2880986
84737059	STREAMLINED SYSTEM FOR THE TRANSMISSION OF NETWORK RESOURCE DATA	European Patent	2015-02-04			15153844.4
84737062	SYSTEM FOR SUGGESTING NETWORK RESOURCE FOR USE BY A NETWORK TERMINAL BASED ON NETWORK RESOURCE RANKING	United States of America	2014-03-07			14/200558
84737063	SYSTEM FOR SUGGESTING NETWORK RESOURCE FOR USE BY A NETWORK TERMINAL BASED ON NETWORK RESOURCE RANKING	Canada	2015-02-26			2883057
84737064	SYSTEM FOR SUGGESTING NETWORK RESOURCE FOR USE BY A NETWORK TERMINAL BASED ON NETWORK RESOURCE RANKING	European Patent	2015-03-06			15158062.8
84737074	SECURE NETWORK RESOURCE ACCESS SYSTEM	United States of America	2002-01-18	2010-11-02	7827293	09/926436
84737078	SECURE NETWORK RESOURCE ACCESS SYSTEM	United States of America	2010-09-27			12/891501
84737079	SECURE NETWORK RESOURCE ACCESS SYSTEM	United States of America	2012-07-11			13/546539
84737080	SECURE NETWORK RESOURCE ACCESS SYSTEM	United States of America	2014-06-17			14/306346
84737081	SECURE NETWORK RESOURCE ACCESS SYSTEM	United States of America	2010-09-27			12/891517
84737082	NETWORK RESOURCE COMMUNICATION SYSTEM	United States of America	2012-07-11			13/546493
84737083	SECURE NETWORK RESOURCE ACCESS SYSTEM	United States of America	2010-09-27			12/891526
84737084	NETWORK RESOURCE COMMUNICATION SYSTEM	United States of America	2012-07-11			13/546448
84737085	NETWORK RESOURCE ACCESS SYSTEM	United States of America	2014-06-17			14/306434

Patent ID	App Title	Country	Filed Date	Grant Date	Patent No.	Application Number
84737086	SECURE NETWORK RESOURCE ACCESS SYSTEM	United States of America	2010-09-27			12/891536
84737087	NETWORK RESOURCE CONTROL SYSTEM	United States of America	2012-07-11			13/546395
84737088	NETWORK RESOURCE CONTROL SYSTEM	United States of America	2014-06-24			14/312923
84737092	NETWORK RESOURCE CONTROL SYSTEM	United States of America	2005-12-16	2007-07-24	7249188	11/303015
84737148	SECURE NETWORK RESOURCE ACCESS SYSTEM	Canada	2001-03-01	2010-09-28	2401717	2401717
84737151	SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA BASED ON COMPARING RESPECTIVE NETWORK TERMINAL AND NETWORK RESOURCE LOCATION INFORMATION	United States of America	2010-09-17			12/884781
84737154	NETWORK RESOURCE CONTROL SYSTEM	Canada	2001-03-01	2011-11-22	2401721	2401721
84737157	MULTI-STAGE POLLING MECHANISM AND SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA	United States of America	2010-09-17	2014-09-23	8843617	12/884768
84737160	NETWORK RESOURCE ACCESS SYSTEM	Canada	2001-03-01	2009-05-19	2401729	2401729
84737163	NETWORK RESOURCE COMMUNICATION SYSTEM	Canada	2001-03-01	2010-08-17	2401738	2401738
84737164	NETWORK RESOURCE COMMUNICATION SYSTEM	Canada	2001-03-01			2706691
84737171	SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA BASED ON COMPARING RESPECTIVE NETWORK TERMINAL AND NETWORK RESOURCE LOCATION INFORMATION	Patent Cooperation Treaty	2011-09-08			PCT/CA2011/00095
84737172	MULTI-STAGE POLLING MECHANISM AND SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA	Canada	2011-09-08			2751926

Patent ID	App Title	Country	Filed Date	Grant Date	Patent No.	Application Number
84737173	MULTI-STAGE POLLING MECHANISM AND SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA	Patent Cooperation Treaty	2011-09-08			PCT/CA2011/00094
84806035	SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA BASED ON COMPARING RESPECTIVE NETWORK TERMINAL AND NETWORK RESOURCE LOCATION INFORMATION	European Patent	2011-09-08			11824387.2
84806036	MULTI-STAGE POLLING MECHANISM AND SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA	European Patent	2011-09-08	2015-10-21	2617221	11824386.4
84806045	LIMITED-BANDWIDTH ELECTRONIC DATA COMMUNICATION SYSTEM	Canada	2001-03-13	2005-01-04	2402328	2402328
84856276	MULTI-STAGE POLLING MECHANISM AND SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA	Germany (Federal Republic of)	2011-09-08	2015-10-21	602011020900.0	11824386.4
84856277	MULTI-STAGE POLLING MECHANISM AND SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA	United Kingdom	2011-09-08	2015-10-21	2617221	11824386.4
84903938	SYSTEM AND METHOD FOR UPDATING PRINTER LOCATION INFORMATION	United States of America	2017-12-21			15/850506
84905482	SYSTEM FOR THE TRANSMISSION AND PROCESSING CONTROL OF NETWORK RESOURCE DATA BASED ON COMPARING RESPECTIVE NETWORK TERMINAL AND NETWORK RESOURCE LOCATION INFORMATION	Canada	2011-09-08			2751922
84911668	NETWORK RESOURCE CONTROL SYSTEM	Germany (Federal Republic of)	2001-03-01	2014-04-23	60148743.5	10011973.4
84911676	NETWORK RESOURCE CONTROL SYSTEM	United Kingdom	2001-03-01	2014-04-23	2334037	10011973.4
84994447	NETWORK RESOURCE CONTROL SYSTEM	Germany (Federal Republic of)	2001-03-01	2018-05-30	60150846.7	01911301.8
84994451	NETWORK RESOURCE CONTROL SYSTEM	United Kingdom	2001-03-01	2018-05-30	1260059	01911301.8