

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5443554

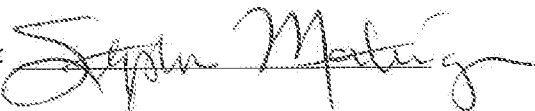
<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
INTERNATIONAL BUSINESS MACHINES CORPORATION	01/10/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ECOBEE INC.
<b>Street Address:</b>	207 QUEENS QUAY WEST, SUITE 600
<b>City:</b>	TORONTO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	M5J 1A7
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13562626
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(416)920-1350
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	docketing@pckip.com
<b>Correspondent Name:</b>	PERRY + CURRIER INC.
<b>Address Line 1:</b>	1300 YONGE STREET
<b>Address Line 2:</b>	SUITE 500
<b>Address Line 4:</b>	TORONTO, CANADA M4T 1X3
<b>ATTORNEY DOCKET NUMBER:</b>	P8422US00
<b>NAME OF SUBMITTER:</b>	KARINE SIVASAMBOO
<b>SIGNATURE:</b>	/KARINE SIVASAMBOO/
<b>DATE SIGNED:</b>	03/27/2019
<b>Total Attachments: 5</b>	
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Patent Assignment and Reservation

For good and valuable consideration, the receipt of which is hereby acknowledged, and subject to the terms and reservations stated in the Patent Assignment Agreement Reference No. L190132 between the parties with an effective time and date of 11:59pm United States Eastern Time on December 19, 2018 ("Effective Time & Date") ("Patent Assignment Agreement"), International Business Machines Corporation, a New York corporation having a place of business at New Orchard Road, Armonk, New York, 10504, U.S.A (hereinafter "ASSIGNOR"), hereby grants and assigns to ecobee Inc., a Canadian corporation having a place of business at 207 Queens Quay West, Suite 600, Toronto, ON M5J 1A7 (hereinafter "ASSIGNEE"), all of IBM's right, title and interest in and to the United States Letters Patents identified in Exhibit A and the United States patent applications identified in Exhibit C, attached hereto (hereinafter, collectively, "ASSIGNED PATENTS"), to have and to hold the same, unto ASSIGNEE for its own use and enjoyment and for the use and enjoyment of its successors and assigns, including all damages for infringement of any of the ASSIGNED PATENTS accruing on and after the Effective Time & Date and the sole right to sue therefore under such ASSIGNED PATENTS, for the full term or terms of all such ASSIGNED PATENTS, subject to all rights granted under the ASSIGNED PATENTS to third parties prior to said Effective Time & Date.

ASSIGNOR hereby reserves and retains, for the benefit of itself and its subsidiaries and its and their successors and assigns, the rights and licenses set forth in the Patent Assignment Agreement.

IN WITNESS WHEREOF, ASSIGNOR has caused this Patent Assignment and Reservation to be duly signed on its behalf.

Signature:  Date: 1/10/19  
Name: Stephen Mortinger  
Title: Associate General Counsel  
and Managing Attorney, IP Law

IN WITNESS WHEREOF, ASSIGNEE has caused this Patent Assignment and Reservation to be duly signed on its behalf.

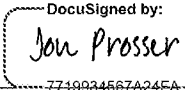
Signature:  Date: 1/16/2019  
Name: Jon Prosser  
Title: VP Finance

Exhibit A

Granted US Patents

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
*ARC920100081US1	US	8639958	13/178027	7/7/2011	1/28/2014
ARC920100081US2	US	8700932	13/562626	7/31/2012	4/15/2014
AUS920000399US1	US	6460005	09/637329	8/10/2000	10/1/2002
AUS920030235US1	US	7197366	10/439036	5/15/2003	3/27/2007
*AUS920040673US1	US	7333014	10/981268	11/4/2004	2/19/2008
AUS920040673US2	US	7432805	11/953554	12/10/2007	10/7/2008
AUS920040673US3	US	7791472	12/179147	7/24/2008	9/7/2010
AUS920050713US1	US	8325926	11/348902	2/7/2006	12/4/2012
AUS920050713US2	US	8724811	13/620042	9/14/2012	5/13/2014
AUS920110289US1	US	9024765	13/348347	1/11/2012	5/5/2015
AUS920120128US1	US	9161419	13/540012	7/2/2012	10/13/2015
AUS920120128US2	US	9854645	14/819555	8/6/2015	12/26/2017
AUS920120198US1	US	9465392	13/676545	11/14/2012	10/11/2016
AUS920140067US1	US	9355547	14/284581	5/22/2014	5/31/2016
AUS920140067US2	US	9984590	15/146330	5/4/2016	5/29/2018
AUS920140067US3	US	9978290	15/146378	5/4/2016	5/22/2018
BOC919990073US1	US	6508407	09/596258	6/16/2000	1/21/2003
CA920100078US1	US	8738943	13/052754	3/21/2011	5/27/2014
CA920120059US1	US	9196103	13/754824	1/30/2013	11/24/2015
CA920120059US2	US	9982472	14/918882	10/21/2015	5/29/2018
CH920050061US1	US	7761233	11/428019	6/30/2006	7/20/2010
CHA920090003US1	US	8368754	12/402626	3/12/2009	2/5/2013
DE920000112US1	US	7130896	10/028225	12/18/2001	10/31/2006
DE920120085US1	US	9377791	13/647234	10/8/2012	6/28/2016
DE920160049US1	US	9733996	15/141606	4/28/2016	8/15/2017
END920080046US1	US	9008844	12/135239	6/9/2008	4/14/2015
END920150350US1	US	9382747	14/985068	12/30/2015	7/5/2016

END920150350US2	US	9483933	15/152606	5/12/2016	11/1/2016
END920160258US1	US	9693181	15/271362	9/21/2016	6/27/2017
END920160397US1	US	9756607	15/334330	10/26/2016	9/5/2017
FR920010061US1	US	6940413	10/358453	2/4/2003	9/6/2005
FR920040063US1	US	7308321	11/257290	10/24/2005	12/11/2007
IN920120130US1	US	9152154	13/564006	8/1/2012	10/6/2015
IN920150239US2	US	9473321	15/018943	2/9/2016	10/18/2016
IN920150239US3	US	9909772	15/233366	8/10/2016	3/6/2018
IN920150239US4	US	10072866	15/675819	8/14/2017	9/11/2018
JP920080282US1	US	8516499	12/622455	11/20/2009	8/20/2013
JP920100129US1	US	8872638	13/446172	4/13/2012	10/28/2014
JP920100129US2	US	8732270	13/604678	9/6/2012	5/20/2014
POU920130180US2	US	9574786	15/068921	3/14/2016	2/21/2017
POU920130180US3	US	9772115	15/349114	11/11/2016	9/26/2017
POU920160377US02	US	10055569	15/723468	10/3/2017	8/21/2018
POU920160377US1	US	9811653	15/332501	10/24/2016	11/7/2017
ROC920120080US1	US	9681103	13/675349	11/13/2012	6/13/2017
ROC920120080US2	US	9681104	13/751013	1/25/2013	6/13/2017
ROC920120281US1	US	8934754	13/675391	11/13/2012	1/13/2015
ROC920120281US2	US	9071807	13/751023	1/25/2013	6/30/2015
ROC920120282US1	US	9041812	13/675429	11/13/2012	5/26/2015
ROC920120282US2	US	9191632	13/751029	1/25/2013	11/17/2015
RPS920090003US1	US	8081082	12/473181	5/27/2009	12/20/2011
RSW920080271US1	US	8164443	12/420652	4/8/2009	4/24/2012
YOR920030552US1	US	7109861	10/723740	11/26/2003	9/19/2006
YOR920030552US2	US	7554444	11/495334	7/28/2006	6/30/2009
YOR920040159US1	US	8224649	10/858083	6/2/2004	7/17/2012
YOR920060394US1	US	7468662	11/455210	6/16/2006	12/23/2008
YOR920060394US2	US	8134457	12/132890	6/4/2008	3/13/2012
YOR920060482US1	US	8704893	11/622132	1/11/2007	4/22/2014

YOR920060482US2	US	8860812	13/587038	8/16/2012	10/14/2014
YOR920060500US1	US	8762060	11/668604	1/30/2007	6/24/2014
YOR920060500US2	US	8805613	12/613758	11/6/2009	8/12/2014
YOR920100401US1	US	8576066	13/036612	2/28/2011	11/5/2013
YOR920120064US1	US	9599973	13/826419	3/14/2013	3/21/2017
YOR920120064US2	US	9733630	13/971251	8/20/2013	8/15/2017
YOR920130925US1	US	9270940	14/502110	9/30/2014	2/23/2016

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End of Exhibit A

Exhibit C

US Patent Applications

IBM Docket Number	Country	Application Number	Filing Date	Published Application Number
CA920120059US03	US	15/915924	3/8/2018	20180195334
END920080046US2	US	14/674562	3/31/2015	20150204566
IN920150239US1	US	14/948674	11/23/2015	20170149580
*POU920130180US1	US	14/103270	12/11/2013	20150159893
ROC920120080US3	US	15/465756	3/22/2017	

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End of Exhibit C