PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4669397

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the DOES NOT INDICATE AN UNDIVIDED 50% INTEREST IN ORIGINAL SUBMISSION WITH TWO ASSIGNEES. previously recorded on Reel 043418 Frame 0692. Assignor(s) hereby confirms the CONVEYOR ASSIGNS UNDIVIDED 50% INTEREST AND ADDS INTERNATIONAL BUSINESS MACHINES CORPORATION AS SECOND ASSIGNEE

CONVEYING PARTY DATA

Name	Execution Date
INTERNATIONAL BUSINESS MACHINES CORPORATION	12/24/2016

RECEIVING PARTY DATA

Name:	SERVICENOW, INC.
Street Address:	2225 LAWSON LANE
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054
Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Name: Street Address:	INTERNATIONAL BUSINESS MACHINES CORPORATION NORTH CASTLE DRIVE, MD-NC119
Street Address:	NORTH CASTLE DRIVE, MD-NC119

PROPERTY NUMBERS Total: 61

Property Type	Number
Patent Number:	6983468
Patent Number:	6983269
Patent Number:	8495728
Patent Number:	6983451
Patent Number:	6986143
Patent Number:	6983279
Patent Number:	6985240
Patent Number:	7644312
Patent Number:	7565655
Patent Number:	8495491
Patent Number:	7647647
Patent Number:	7644184

PATENT

REEL: 044348 FRAME: 0451 504622679

Property Type	Number
Patent Number:	7647379
Patent Number:	8626550
Patent Number:	8631418
Patent Number:	7565272
Patent Number:	7647527
Patent Number:	7647336
Patent Number:	8626939
Patent Number:	8495592
Patent Number:	7647130
Patent Number:	7647484
Patent Number:	7644069
Patent Number:	7647524
Patent Number:	8495622
Patent Number:	8631042
Patent Number:	8495701
Patent Number:	8495605
Patent Number:	8495603
Patent Number:	8495127
Patent Number:	8495008
Patent Number:	8493380
Patent Number:	8495261
Patent Number:	8495513
Patent Number:	8627273
Patent Number:	8630724
Patent Number:	8627230
Patent Number:	8627434
Patent Number:	8631071
Patent Number:	8495041
Patent Number:	8626770
Patent Number:	8627202
Patent Number:	8495085
Patent Number:	8631000
Patent Number:	8626891
Patent Number:	8495352
Patent Number:	8495430
Patent Number:	8627274
Patent Number:	8494889
Patent Number:	8626799

Property Type	Number
Patent Number:	8494143
Patent Number:	8495612
Patent Number:	8626744
Patent Number:	8495072
Patent Number:	8626748
Patent Number:	8631049
Patent Number:	8627289
Patent Number:	8626717
Patent Number:	8627281
Patent Number:	8626551
Patent Number:	7565369

CORRESPONDENCE DATA

Fax Number: (281)970-4503

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.

Phone: 2819704545

Email: docket@fyiplaw.com

Correspondent Name: MICHAEL G. FLETCHER

Address Line 1: P.O. BOX 692289

Address Line 4: HOUSTON, TEXAS 77269

ATTORNEY DOCKET NUMBER: SERV:0001	
NAME OF SUBMITTER:	MICHAEL G. FLETCHER
SIGNATURE:	/Michael G. Fletcher/
DATE SIGNED:	11/01/2017

Total Attachments: 20

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Electronic Patent Assignment System

Confirmation Receipt

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
INTERNATIONAL BUSINESS MACHINES CORPORATION	07/31/2017

RECEIVING PARTY DATA

Name:	SERVICENOW, INC.	-
Street Address:	2225 LAWSON LANE	
City:	SANTA CLARA	
State/Country:	CALIFORNIA	
Postal Code:	95054	

PROPERTY NUMBERS Total: 61

Property Type	Number	
Patent Number:	6983269	
Patent Number:	6983279	
Patent Number:	6983451	
Patent Number:	6983468	
Patent Number:	7644069	

PATENT 8/2/2017

REEL: 044348 FRAME: 0455

Patent Number:	7644184
Patent Number:	7644312
Patent Number:	8626550
Patent Number:	8626551
Patent Number:	8626717
Patent Number:	8626744
Patent Number:	8626748
Patent Number:	8626770
Patent Number:	8626799
Patent Number:	8626891
Patent Number:	8626939
Patent Number:	8627202
Patent Number:	8627230
Patent Number:	8627273
Patent Number:	8627274
Patent Number:	8627281
Patent Number:	8627289
Patent Number:	8627434
Patent Number:	6985240
Patent Number:	6986143
Patent Number:	7565272
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Patent Number:	8495072
Patent Number:	8495085
Patent Number:	8495127
Patent Number:	8495261
Patent Number:	8495352
Patent Number:	8495430
Patent Number:	8495491
Patent Number:	8495513
Patent Number:	8495592

PATENT 8/2/2017

Patent Number:	8495603
Patent Number:	8495605
Patent Number:	8495612
Patent Number:	8495622
Patent Number:	8495701
Patent Number:	8495728
Patent Number:	7647130
Patent Number:	7647336
Patent Number:	7647379
Patent Number:	7647484
Patent Number:	7647524
Patent Number:	7647527
Patent Number:	7647647
Patent Number:	8630724
Patent Number:	8631000
Patent Number:	8631042
Patent Number:	8631049
Patent Number:	8631071
Patent Number:	8631418

CORRESPONDENCE DATA

Fax Number:

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Phone:

2819704545

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docket@fyiplaw.com

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.

Correspondent Name:

MICHAEL G. FLETCHER

Address Line 1:

P.O. BOX 692289

Address Line 4:

HOUSTON, TEXAS 77269

ATTORNEY DOCKET NUMBER:	SERV
NAME OF SUBMITTER:	MICHAEL G. FLETCHER ·
Signature:	/Michael G. Fletcher/
Date:	08/02/2017

Total Attachments: 10

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RECEIPT INFORMATION

EPAS ID:

PAT4532953

Receipt Date:

08/02/2017

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REEL: 044348 FRAME: 0458

For good and valuable consideration, the receipt of which is hereby acknowledged, and subject to the reservations stated in the Patent Assignment Agreement Reference No. L179850 between the parties with an effective time and date of 11:59pm United States Eastern Time on July 5, 2017 ("Effective Time and Date") ("Patent Assignment Agreement"), International Business Machines Corporation, a New York corporation having a place of business at Armonk, New York, (hereinafter "ASSIGNOR"), hereby grants and assigns to ServiceNow, Inc., a Delaware corporation having a place of business at Santa Clara, California (hereinafter "ASSIGNEE"), an undivided one half of IBM's right, title and interest in and to the United States Letters Patents identified in Exhibit A (hereinafter, "ASSIGNED PATENTS"), to have and to hold the same, unto ASSIGNEE for its own use and enjoyment as a joint owner and for the use and enjoyment of its successors and assigns, including the right to grant licenses and releases to others of any scope under the ASSIGNED PATENTS, without the requirement of consent of or notice or accounting to ASSIGNOR, subject to the terms set forth in the Patent Assignment Agreement.

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

Name: Cynthia Seal

Title: Senior Counsel, Intellectual Property Law

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
AUS920000761US1	US	6983269	09/740226	. 12/19/2000	1/3/2006
GB920000115US1	US	6983279	10/142618	5/9/2002	1/3/2006
GB920000089US1	US	6983451	09/848169	5/3/2001	1/3/2006
CA919980001US1	US	6983468	09/574409	5/18/2000	1/3/2006
CN920060001US1	US	7644069	11/679379	2/27/2007	1/5/2010
SVL920040064US1	US	7644184	11/008475	12/8/2004	1/5/2010
RSW920020122US1	US	7644312	10/335276	12/31/2002	1/5/2010

END OF EXHIBIT A

For good and valuable consideration, the receipt of which is hereby acknowledged, and subject to the reservations stated in the Patent Assignment Agreement Reference No. L179850 between the parties with an effective time and date of 11:59pm United States Eastern Time on July 7, 2017 ("Effective Time and Date") ("Patent Assignment Agreement"), International Business Machines Corporation, a New York corporation having a place of business at Armonk, New York, (hereinafter "ASSIGNOR"), hereby grants and assigns to ServiceNow, Inc., a Delaware corporation having a place of business at Santa Clara, California (hereinafter "ASSIGNEE"), an undivided one half of IBM's right, title and interest in and to the United States Letters Patents identified in Exhibit A (hereinafter, "ASSIGNED PATENTS"), to have and to hold the same, unto ASSIGNEE for its own use and enjoyment as a joint owner and for the use and enjoyment of its successors and assigns, including the right to grant licenses and releases to others of any scope under the ASSIGNED PATENTS, without the requirement of consent of or notice or accounting to ASSIGNOR, subject to the terms set forth in the Patent Assignment Agreement.

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

Signature:

Name: Cynthia Seal

Title: Senior Counsel, Intellectual Property Law

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
LOT920050016US1	US	8626550	11/094851	3/31/2005	1/7/2014
RSW920080225US1	US.	8626551	12/347494	12/31/2008	1/7/2014
DE920090014US2	US	8626717	13/465381	5/7/2012	1/7/2014
CA920110070US1	US	8626744	13/358779	1/26/2012	1/7/2014
CA920110084US1	US	8626748	13/365918	2/3/2012	1/7/2014
ARC920090084US1	US	8626770	12/772307	5/3/2010	1/7/2014
CA920110042US1	US.	8626799	13/251858	10/3/2011	1/7/2014
IN920090136US1	US	8626891	12/938896	11/3/2010	1/7/2014
GB920050014US1	US	8626939	11/400952	4/10/2006	1/7/2014
CA920100004US1	US	8627202	12/889330	9/23/2010	1/7/2014
POU920090077US1	US	8627230	12/624607	11/24/2009	1/7/2014
IL920090053US1	US	8627273	12/507099	7/22/2009	1/7/2014
ROC920110035US1	US	8627274	13/084034	4/11/2011	1/7/2014
JP920090078US1	US	8627281	12/954643	11/25/2010	1/7/2014
CA920070171US2	US	8627289	13/465073	5/7/2012	1/7/2014
POU920090102US1	ŲS	8627434	12/631354	12/4/2009	1/7/2014

END OF EXHIBIT A

For good and valuable consideration, the receipt of which is hereby acknowledged, and subject to the reservations stated in the Patent Assignment Agreement Reference No. L179850 between the parties with an effective time and date of 11:59pm United States Eastern Time on July 10, 2017 ("Effective Time and Date") ("Patent Assignment Agreement"), International Business Machines Corporation, a New York corporation having a place of business at Armonk, New York, (hereinafter "ASSIGNOR"), hereby grants and assigns to ServiceNow, Inc., a Delaware corporation having a place of business at Santa Clara, California (hereinafter "ASSIGNEE"), an undivided one half of IBM's right, title and interest in and to the United States Letters Patents identified in Exhibit A (hereinafter, "ASSIGNED PATENTS"), to have and to hold the same, unto ASSIGNEE for its own use and enjoyment as a joint owner and for the use and enjoyment of its successors and assigns, including the right to grant licenses and releases to others of any scope under the ASSIGNED PATENTS, without the requirement of consent of or notice or accounting to ASSIGNOR, subject to the terms set forth in the Patent Assignment Agreement.

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

Signature:

Name: Cynthia Seal

Title: Senior Counsel, Intellectual Property Law

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
POU920010134US1	US	6985240	10/328241	12/23/2002	1/10/2006
END920010028US1	US	6986143	09/955771	9/19/2001	1/10/2006

END OF EXHIBIT A

For good and valuable consideration, the receipt of which is hereby acknowledged, and subject to the reservations stated in the Patent Assignment Agreement Reference No. L179850 between the parties with an effective time and date of 11:59pm United States Eastern Time on July 21, 2017 ("Effective Time and Date") ("Patent Assignment Agreement"), International Business Machines Corporation, a New York corporation having a place of business at Armonk, New York, (hereinafter "ASSIGNOR"), hereby grants and assigns to ServiceNow, Inc., a Delaware corporation having a place of business at Santa Clara, California (hereinafter "ASSIGNEE"), an undivided one half of IBM's right, title and interest in and to the United States Letters Patents identified in Exhibit A (hereinafter, "ASSIGNED PATENTS"), to have and to hold the same, unto ASSIGNEE for its own use and enjoyment as a joint owner and for the use and enjoyment of its successors and assigns, including the right to grant licenses and releases to others of any scope under the ASSIGNED PATENTS, without the requirement of consent of or notice or accounting to ASSIGNOR, subject to the terms set forth in the Patent Assignment Agreement.

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

Signature: \sqrt{z}

Name: Cynthia Seal

Title: Senior Counsel, Intellectual Property Law

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	lssue Date
SVL920050131US1	US	7565272	11/301813	12/13/2005	7/21/2009
YOR920040012US1	US	7565369	10/857030	5/28/2004	7/21/2009
YOR920030504US1	US	7565655	10/688742	10/17/2003	7/21/2009
JP920070119US1	US	8493380	12/275374	11/21/2008	7/23/2013
END920110117US1	US	8494143	13/277304	10/20/2011	7/23/2013
AUS920110075US1	US	8494889	13/159945	6/14/2011	7/23/2013
RPS920080095US1	US	8495008	12/251242	10/14/2008	7/23/2013
JP920080299US1	US	8495041	12/708588	2/19/2010	7/23/2013
IN920110227US1	US	8495072	13/359900	1/27/2012	7/23/2013
SVL920100051US1	US	8495085	12/891146	9/27/2010	7/23/2013
GB920080187US1	US	8495127	12/239430	9/26/2008	7/23/2013
POU920080219US1	US	8495261	12/333485	12/12/2008	7/23/2013
IN920100144US1	US	8495352	12/963260	12/8/2010	7/23/2013
AUS920080597US2	US	8495430	13/044640	3/10/2011	7/23/2013
CA920040119US1	ÚS	8495491	10/907898	4/20/2005	7/23/2013
CA920080123US2	US	8495513	12/464445	5/12/2009	7/23/2013
ROC920060274US1	ÜS	8495592	11/563750	11/28/2006	7/23/2013
ROC920080201US1	US	8495603	12/189336	8/11/2008	7/23/2013
RSW920080168US1	US	8495605	12/140045	6/16/2008	7/23/2013
CAM920110048US1	US	8495612	13/278784	10/21/2011	7/23/2013
RSW920070363US1	ÜS	8495622	11/936649	11/7/2007	7/23/2013
AU920080006US1	US	8495701	12/133850	6/5/2008	7/23/2013
RPS920000084US1	US	8495728	09/758927	1/11/2001	7/23/2013

END OF EXHIBIT A

For good and valuable consideration, the receipt of which is hereby acknowledged, and subject to the reservations stated in the Patent Assignment Agreement Reference No. L179850 between the parties with an effective time and date of 11:59pm United States Eastern Time on July 13, 2017 ("Effective Time and Date") ("Patent Assignment Agreement"), International Business Machines Corporation, a New York corporation having a place of business at Armonk, New York, (hereinafter "ASSIGNOR"), hereby grants and assigns to ServiceNow, Inc., a Delaware corporation having a place of business at Santa Clara, California (hereinafter "ASSIGNEE"), an undivided one half of IBM's right, title and interest in and to the United States Letters Patents identified in Exhibit A (hereinafter, "ASSIGNED PATENTS"), to have and to hold the same, unto ASSIGNEE for its own use and enjoyment as a joint owner and for the use and enjoyment of its successors and assigns, including the right to grant licenses and releases to others of any scope under the ASSIGNED PATENTS, without the requirement of consent of or notice or accounting to ASSIGNOR, subject to the terms set forth in the Patent Assignment Agreement.

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

Name: Cynthia Seal

Title: Senior Counsel, Intellectual Property Law

PATENT REEL: 044348 FRAME: 0467

7/31/2017

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
RPS920060226US1	US	7647130	11/566747	12/5/2006	1/12/2010
ROC920050404US1	US	7647336	11/351240	2/9/2006	1/12/2010
FR920030071US1	US	7647379	11/009328	12/9/2004	1/12/2010
ROC920060488US1	US	7647484	11/678208	2/23/2007	1/12/2010
JP920030311US2	US	7647524	11/933270	10/31/2007	1/12/2010
SJO920050135US1	US	7647527	11/329899	1/11/2006	1/12/2010
LOT920040035US1	US	7647647	10/912354	8/5/2004	1/12/2010
YOR920090160US1	US	8630724	12/540101	8/12/2009	1/14/2014
YOR920100449US1	US	8631000	12/894370	9/30/2010	1/14/2014
SVL920080026US1	US	8631042	12/132600	6/3/2008	1/14/2014
YOR920050467US3	US	8631049	13/431538	3/27/2012	1/14/2014
AUS920080313US1	US	8631071	12/640865	12/17/2009	1/14/2014
GB920040095US1	US	8631418	11/297550	12/8/2005	1/14/2014

END OF EXHIBIT A

PATENT REEL: 044348 FRAME: 0468

RECORDED: 11/01/2017