### 505395513 03/27/2019

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5442307 Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
KUNTAL DEY	08/03/2016
VIJAY EKAMBARAM	08/03/2016
SEEMA NAGAR	08/03/2016
SWATI RALLAPALLI	08/02/2016

### **RECEIVING PARTY DATA**

Name:	INTERNATIONAL BUSINESS MACHINES CORPORATION
Street Address:	NEW ORCHARD ROAD
City:	ARMONK
State/Country:	NEW YORK
Postal Code:	10504

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16365761

### **CORRESPONDENCE DATA**

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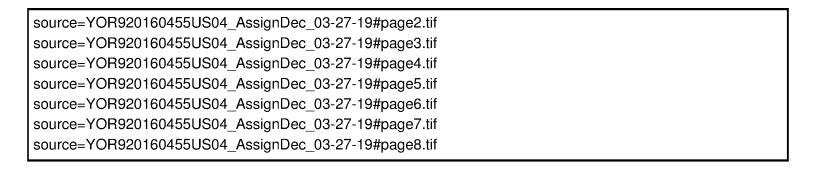
ATTORNEY DOCKET NUMBER:	YOR920160455US04
NAME OF SUBMITTER: DONNA FLORES	
SIGNATURE:	/Donna Flores/
<b>DATE SIGNED:</b> 03/27/2019	
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 8** 

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PATENT REEL: 048708 FRAME: 0435

505395513



PATENT REEL: 048708 FRAME: 0436

Title of Invention: REAL-TIME PRICING THROUGH SMART-PRICE-TAGS

As a below named inventor, I hereby declare that:
This declaration is directed to the attached application, or (if following box is checked):
☐ United States application or PCT international application number filed on
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
I have reviewed and understand the contents of the application, including the claims.
I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.
Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (hereir referred to as the "Invention") disclosed in the above-identified patent application and further identified by the IBM Docket Number provided above in the header of this document;

Whereas, International Business Machines Corporation, a corporation of New York having a place of business at Armonk, New York (herein referred to as "IBM"), desires to acquire, and each undersigned inventor desires to grant to IBM, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to IBM (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to IBM, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by IBM, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in IBM, its successors, legal representatives, and assigns, whenever requested by IBM, its successors, legal representatives, or assigns.

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to IBM and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants IBM, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor	: Kuntal DEY	4				
Signature: <u>Kula</u>	<u> </u>		Date:	03	August	2016
anno arti usa non usa na marina na marin	N 225 877 2 57 12 12 22 12	~ & *^ & & &				
(2) Legal Name of Inventor:	: Vijay ERAMI	JARAM				
Signature:	••••		Date:	*************		
						in the second second
(3) Legal Name of Inventor:	: Seema NAG.	AR				
Signature:			Date:		:	. 3
(4) Legal Name of Inventor:	Swati RALL/	\PALLI				

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(1) Legal Name of Inventor: <b>Kuntal DEY</b>		
Signature:	Date:	
(2) Legal Name of Inventor: Vijay EKAMBARAM		
Signature:	Date:Aug, 03, 2016	
(3) Legal Name of Inventor: <b>Seema NAGAR</b>		
Signature:	Date:	
(4) Legal Name of Inventor: Swati RALLAPALLI		
Signatura	Date:	

Title of Invention: REAL-TIME PRICING THROUGH SMART-PRICE-TAGS

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(1) Legal Name of In	ventor: Kuntal DEY				
Signature:			Date:		
(2) Legal Name of In	ventor: Viiav EKAM	BARAM			
	<b>,</b>				
Signature:	***************************************		Date:		
,					
(3) Legal Name of In	ventor: Seema NAC	AR			
Signature:	Seema		Date:	3-AUG	<u>- 2016</u>
(4) Legal Name of In	ventor: Swati RALL	APALLI			
Signature:			Date		

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Signature	Date:	
(2) Legal Name of Inventor Vijay E	KAMBARAM	
Signature	Date:	
(3) Legal Name of Inventor Seema	NAGAR	
Signature:	Date:	
(4) Legal Name of Inventor: Swati I	RALLAPALLI	
Signature (John	Date:	August 2nd 2016