PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RICHARD J. EICKEMEYER	04/12/2016
SHELDON B. LEVENSTEIN	04/11/2016
DAVID S. LEVITAN	04/11/2016
MAURICIO J. SERRANO	04/19/2016
BRIAN W. THOMPTO	04/13/2016

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16110917

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NAME OF SUBMITTER:	MICHAEL R. LONG
SIGNATURE:	/Michael R. Long/
DATE SIGNED:	08/24/2018

Total Attachments: 5

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PATENT REEL: 046699 FRAME: 0037

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PATENT REEL: 046699 FRAME: 0038

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

TITLE: TECHNIQUES FOR PREDICTING A TARGET ADDRESS OF AN INDIR :CT BRANCH INSTRUCTION

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 on	_ filed
The above-identified application was made or authorized to be made by me.	
believe that I am the original inventor or an original joint inventor of a claimed invention application.	in the
have reviewed and understand the contents of the application, including the claim :.	
am aware of the duty to disclose to the United States Patent and Trademark Office all inform known to me to be material to patentability as defined in 37 CFR Section 1.56.	natior

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein 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:

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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or ha: 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 ıll 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 I eld 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

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execute any and all documents and instruments and perform all lawful acts reascnably 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 $r\epsilon$ quested by IBM, its successors, legal representatives, or assigns.

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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: RICHARD J. EICKEMEYE	R	
Signature:	Date:_	4/12/16
(2) Legal Name of Inventor: SHELDON B. LEVENSTE	IN	
Signature:	Date:_	
(3) Legal Name of Inventor: DAVID S. LEVITAN		
Signature:	Date:_	
(4) Legal Name of Inventor: MAURICIO J. SERRANO		
Signature:	Date:	

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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.

Signature:	Date:
(2) Legal Name of Inventor: SHELDON B. LEVENSTE	IN
Signature: Ally B Lovente	Date: April 11, 2016
(3) Legal Name of Inventor: DAVID S. LEVITAN	
Signature:	Date: 400:11/2016
(4) Legal Name of Inventor: MAURICIO J. SERRANO	
Signature:	Date:

(1) Legal Name of Inventor: RICHARD J. EICKEMEYER

IBM DOCKET NUMBER: ROC9201504141K1

execute any and all documents and instruments and perform all lawful acts reasonably related parents and recording this. Assignment or perfecting title to the invention and all related parents and applications, in IBM its successors legal representatives, and assigns, whenever requested by IBM, its automatic legal representatives or assigns.

sach undersigned inventor acknowledges their prior and ongoing obligations to sail, as ign, 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 soil, 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 heaved to patent Application Number) which may be necessary or destrable for recordation of the Assignment is governed by the substantive laws of the State of New York, and any disputes will be resolved in a New York state court or federal court sited in New York.

Thereby 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

Signature		Date:
(2) Legal Name of Inventor	SHELDON B. LEVENSTE	IN
Signature		Date
(3) Legal Name of Inventor	DAVID'S, LEVITAN	
Signature		Date
(a) Logal Sauce of Inventor	MAURICIO J. SERRANO	
Sugmature		Date: 01/12/14

IN TERM Name of Inventor PICHARD I FICKEMEVER

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PATENT REEL: 046699 FRAME: 0042 (5) Legal Name of Inventor: BRIAN W. THOMPTO

Signature: 02 Date: 4/13/16

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