## PATENT ASSIGNMENT

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CONVEYING PARTY	DATA	1	<u> </u>		
N			lame	Execution Date	
Michael K Gschwind Valentina Salapura				09/26/2011	
				09/26/2011	
RECEIVING PARTY [	)ATA				
Name:	International Business Machines Corporation			]	
Street Address:		New Orchard Road			
City:	Armonk				
State/Country:	NEW YORK				
Postal Code:	10504				
Property Type Application Number: 13251			Number		
		13251	409		
CORRESPONDENCE	8454329		hen the fax attempt is unsuccessful.		
Fax Number: <i>Correspondence will L</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 2: Address Line 4:	845-433 sinelsor : John E. IBM Cor 2455 Sc	3-1156 n@us.ib Campb rporatio puth Ro	pell		
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Michael K Schwind			09/26/2011
Valentina Salapura			09/26/2011
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	Armonk		
City:	Armon	<u> </u>	
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Property Ty	vpe	Number	
Application Number:		13251409	
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ATTORNEY DOCKET NUMBER:		POU920110157US1	
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#### IBM DOCKET NUMBER: POU920110157US1

#### ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in:

Title of the Invention: Scalable Decode-Time Instruction Sequence Optization of Dependent Instructions

and further identified by the IBM Docket Number provided above in the header of this Assignment, for which an application for a United States Patent was executed concurrently herewith or was filed having:

Serial Number:

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;

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Executed by Inventor 1 of 2
Signature Alexandre Date: 9/26/2011 MICHAEL K. GSOHWIND
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Signature:

VALENTINA SALAPURA

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#### ASSIGNMENT

Whereas, the undersigned Inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") in-

Title of the Invention: Scalable Decode-Time Instruction Sequence Optization of Dependent Instructions

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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, assigns, and otherwise transfers 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,

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Signature:

MICHAEL K. GSCHWIND Date:

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Signature: Valentina SalAPURA Date: 9/26/2011

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## PATENT <sup>9</sup> REEL: 029244 FRAME: 0531