506644891 05/04/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6691701

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTOR #3 MIDDLE NAME (NICHOLAS A. LANZILLO) previously recorded on Reel 056085 Frame 0058. Assignor(s) hereby confirms the INVENTOR #3 MIDDLE NAME A. (NICHOLAS A. LANZILLO NOT NICHOLAS ANTHONY LANZILLO AS ORIGINALLY RECORDED).

CONVEYING PARTY DATA

Name	Execution Date
BENJAMIN D. BRIGGS	10/02/2017
LAWRENCE A. CLEVENGER	10/02/2017
NICHOLAS A. LANZILLO	10/02/2017
MICHAEL RIZZOLO	10/02/2017
THEODORUS E. STANDAERT	10/02/2017
JAMES STATHIS	10/12/2017

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:	17244084

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ATTORNEY DOCKET NUMBER:	YOR820162863US02
NAME OF SUBMITTER:	SUZANNE LOMBARDO
SIGNATURE:	/Suzanne Lombardo/

PATENT 506644891 REEL: 056136 FRAME: 0083

DATE SIGNED: 05/04/2021	
	This document serves as an Oath/Declaration (37 CFR 1.63).
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PATENT REEL: 056136 FRAME: 0084



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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	ne	Execution Date
BENJAMIN D. BRIGGS		10/02/2017
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THEODORUS E. STANDAERT		10/02/2017
JAMES STATHIS		10/12/2017

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City:	Jity: ARMONK
State/Country:	NEW YORK
Postal Code:	Postal Code: 10504

PROPERTY NUMBERS Total: 1

Number	pplication Number: 17244084	
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CORRESPONDENCE DATA

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Correspondence will be sent to the	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 un	number, if provided; if that is unsuccessful, it will be sent via US Mail.
Correspondent Name:	IBM CORPORATION - PATENT CENTER
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Address Line 2:	B/256-3
Address Line 4:	ENDICOTT, NEW YORK 13760

NAME OF SUBMITTER: SUZANNE LOMBARDO Signature: //Suzame Lombardo/ Date: 04/29/2021 This document serves as an Oath/Declaration (37 CFR 1.63).	ATTORNEY DOCKET NUMBER:	ATTORNEY DOCKET YOR820162863US02
Signature: Suzame Lombardo/ Date: 047297021 This document serves as an Oath/Declaration (37 CF)	NAME OF SUBMITTER:	SUZANNE LOMBARDO
Date: 04/29/2021 This document serves as an Oath/Declaration (37 CF)	Signature:	/Suzanne Lombardo/
This documen	Date:	04/29/2021
		This document serves as an Oath/Declaration (37 CFR 1.63).

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Fax Number: PATENT REEL: 056136 FRAME: 0085

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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 of Invention: OPTIMIZATING SEMICONDUCTOR BINNING BY FEED-FORWARD PROCESS ADJUSTMENT

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
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 (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;

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

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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 desirable for recordation of this Assignment. This 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.

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.

	92		Date: 10/2/1	
Signature			Date: <u>/~/ ~/ /</u>	<u> </u>
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2) Legal Name of Inventor: Lawren	ice A. Clevenger	energe en		
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(3) Legal Name of Inventor: Nichola	12 Lat and and and	ne di Badakin da anganasa da di Marin Badakin da da kasa da di da di		
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		Special distribution for the Court of the Co		
(4) Legal Name of Inventor: Michas	SI KUZZOIO		uen ne nganga suka nakati ka Tugangangan	ing a sili Jawa Sangaran
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(5) Legal Name of Inventor: Theodorus E. Standaert	
Signature:	Date: 10/2 /17
(6) Legal Name of Inventor: James Stathis	
Signature:	Date:

Page 3 of 3

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(5)	Legal Name of Inventor:	Theodorus E. Standaert	
	Signature:		Date:
(6)	Legal Name of Inventor:	James Stathis	
	Signature: Jrw 5	hl	