PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6526597

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SATISH MUTHIYALU	09/17/2018
YINGWEN CHEN	09/11/2018
YU YU	09/11/2018
TAO XU	09/11/2018

RECEIVING PARTY DATA

Name:	INTEL CORPORATION
Street Address:	2200 MISSION COLLEGE BOULEVARD
City:	SANTA CLARA
State/Country:	CALIFORNIA
Postal Code:	95054

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17262696

CORRESPONDENCE DATA

Fax Number: (310)556-7984

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: 3105567983

Email: gbdrop@ipmatters.com

KONRAD RAYNES DAVDA & VICTOR LLP **Correspondent Name:**

350 S. BEVERLY DR. Address Line 1:

Address Line 2: SUITE 360

Address Line 4: BEVERLY HILLS, CALIFORNIA 90212

ATTORNEY DOCKET NUMBER:	AB2042-PCT-US 77.419US
NAME OF SUBMITTER:	GEOFFREY BELL
SIGNATURE:	/Geoffrey Bell/
DATE SIGNED:	02/01/2021

Total Attachments: 8

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ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned inventor(s):

Satish MUTHIYALU, Yingwen CHEN, Yu YU and Tao XU

hereby sell, assign, and transfer to:

Intel Corporation

a corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95054 USA ("Assignce"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all other countries, in and to any and all inventions and improvements that are disclosed in the application for the patent entitled:

RUNTIME CELL ROW REPLACEMENT IN A MEMORY

(I ber design	why authorize and request any attorney having appropriate authority from the assignce to insert on the nated lines below, the filing date and application number of said application when known.)
	which was filed onas
	United States Application Number and

which has been executed by the undersigned prior hereto or concurrently herewith on the date(s) indicated below,

and in and to said application and all Additional Applications, and all other patent applications that have been or shall be filed in the United States and all other countries and international filing offices on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all other countries and international filing offices on said inventions and improvements; and in and to all rights of priority resulting from the filing of said applications; as used herein "Additional Applications" includes but is not limited to design, utility, utility model, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and national phase applications on said inventions and improvements;

and agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all Additional Applications, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said

Page 1 of 2

inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

	09/17/2018
Satish MUTHIYALU	Date Signed
Yingwen CHEN	Date Signed
Yu YU	Date Signed
Tao XU	Date Signed

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Satish MUTHIYALU	Date Signed
Yivave den	Sep. 4th., 2018
Yingwen CHEN	Date Signed
Yu YU	Date Signed
Tao XU	Date Signed

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Yu YU	Date Signed
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Yingwen CHEN	Date Signed
Yu YU	Date Signed
Tão Xh Tao XU	09 1; 2018

Page 2 of 2