### 506280857 09/30/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6327604

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DANIEL ERNST	08/24/2020
SANYAM MEHTA	08/22/2020

### **RECEIVING PARTY DATA**

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Street Address:	11445 Compaq Center Drive West		
City:	Houston		
State/Country:	TEXAS		
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# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16944146

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	90906495
NAME OF SUBMITTER:	LAURA M. ZAVALA
SIGNATURE:	/Laura M. Zavala/
DATE SIGNED:	09/30/2020

**Total Attachments: 2** 

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PATENT 506280857 REEL: 053933 FRAME: 0044

Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins, Colorado 80528

### PATENT APPLICATION

RECORD ID:	90906495

### **ASSIGNMENT OF PATENT APPLICATION**

I/We, the undersigned (each), for good and valuable consideration, the receipt of which is hereby acknowledged, and in furtherance of my/our obligations to Cray Inc., incorporated in Washington and having its principal place of business in Seattle Washington, and to its subsidiaries and affiliates, agree to assign and transfer and hereby assign and transfer to Cray Inc., its successors and assigns, the entire right, title and interest, including the right of priority; in, to and under an application for Patent entitled:

Cray Inc., its successors and assigns, the entire right, tit application for Patent entitled:	le and interest, including the right of priority; in, to and under an
METHOD AND APPARATUS FOR BACK END GATH	ER/SCATTER MEMORY COALESCING
Filing Date: 30 Jul 2020	Application No.: 16/944146
divisionals, and renewals of and substitutes for said a	in, and any and all continuations, continuations-in-part (C-I-P's), optication for said Patent, and any and all other Patent of any affore; and any reissues, or reexaminations, or extensions of said
enjoyed by Cray Inc., its successors, assigns, nominees	ions in my/our name for Patent in any country, to be held and or legal representatives, to the full end of the term or terms for or extended, as fully and entirely as the same would have been sfer not been made;
executed and will not execute any agreement in conflict time a request is made, and without undue delay, execute perfect the title to said invention(s) or improvement(s), assigns, nominees or legal representatives, and I/we agreespecting said invention(s) or improvement(s), said applial lawful papers, to execute all disclaimers and divisional all rightful oaths and declarations, and generally to do nominees and legal representatives to obtain and enfor	convey the entire interest herein assigned, and that I/we have not nerewith, and t/we further covenant and agree that I/we will, each a and deliver all such papers as may be necessary or desirable to said application and said Patent, to Cray Inc., its successors se to communicate to Cray Inc., or to its nominee, all known facts location and said Patent, to testify in any legal proceedings, to signs, continuations, C-I-P's, reissue and foreign applications, to make a everything possible to aid Cray Inc., its successors, assigns ce, for its or their own benefit, proper patent protection for said rovided the expenses which may be incurred by me/us in lending
applications as aforesaid, to issue to Cray Inc., as assign	of any country or countries whose duty it is to issue patents or see of the entire right, title and interest, any and all Patent for said and granted on or as a result of the application aforesaid, in
	record to insert the filing date and application number of said dittle set forth above, as soon as the same shall have been made
IN WITNESS WHEREOF, I/we hereunto set my/our hand(i	i) and seal(s):
Talle M	8/24/2020
Inventor's Signature	Date
Daniel Ernst	
First/Middle Name/Last Name	
Inventor's Signature	Date
Sanyam Mehta	
First/Middle Name/Last Name	
Rev 96/15 Pa	ige 1 of 1

PATENT REEL: 053933 FRAME: 0045 Hewlett Packard Enterprise 3404 E. Harmony Road Mail Stop 79 Fort Collins, Colorado 80528

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RECORD ID:	90906495
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furtherance of my/our obligations to Cray Inc., incorporated in Washing Seattle Washington, and to its subsidiaries and affiliates, agree to assig Cray Inc., its successors and assigns, the entire right, title and interest, application for Patent entitled:	n and transfer and hereby assign and transfer to
METHOD AND APPARATUS FOR BACK END GATHER/SCATTER	MEMORY COALESCING
Filing Date: 30 Jul 2020 Applicat	ion No.: 16/944146
and the invention(s) and improvement(s) set forth therein, and any and divisionals, and renewals of and substitutes for said application for sa countries thereto which may be granted thereon or therefore; and any relatent.	aid Patent, and any and all other Patent of any
I/we additionally authorize Cray Inc. to file applications in my/our enjoyed by Cray Inc., its successors, assigns, nominees or legal repres which said Patent respectively may be granted, reissued or extended, a held and enjoyed by me/us had this assignment, and transfer not been may	sentatives, to the full end of the term or terms for s fully and entirely as the same would have been
AND I/we hereby covenant that I/we have full right to convey the enti- executed and will not execute any agreement in conflict herewith, and I/s time a request is made, and without undue delay, execute and deliver all perfect the title to said invention(s) or improvement(s), said applicatio assigns, nominees or legal representatives, and I/we agree to communic respecting said invention(s) or improvement(s), said application and said all lawful papers, to execute all disclaimers and divisionals, continuations all rightful oaths and declarations, and generally to do everything po nominees and legal representatives to obtain and enforce, for its or th invention(s) or improvement(s) in any and all countries provided the exp such cooperation and assistance are paid by Cray Inc.;	we further covenant and agree that I/we will, each such papers as may be necessary or desirable to n and said Patent, to Cray Inc., its successors, ate to Cray Inc., or to its nominee, all known facts Patent, to testify in any legal proceedings, to sign, C-I-P's, reissue and foreign applications, to make ssible to aid Cray Inc., its successors, assigns, eir own benefit, proper patent protection for said
AND I/we hereby authorize and request the official of any country applications as aforesaid, to issue to Cray Inc., as assignee of the entire invention(s) or improvement(s) which may be issued and granted or accordance with the terms of this assignment.	right, title and interest, any and all Patent for said
I/we further authorize and direct the attorneys of record to inser application for Patent, now identified by the Record ID and title set forth a known to them.	
IN WITNESS WHEREOF, I/we hereunto set my/our hand(s) and seal(s):	
Inventor's Signature	Date
Daniel Ernst	
First/Middle Name/Last Name	8/22/20
The state of the s	0/2723
Inventor's Signature	Date
Sanyam Mehta	

Page 1 of 1

**PATENT** REEL: 053933 FRAME: 0046

First/Middle Name/Last Name

Rev 06/15