07-2	20-1998 ————
FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) Tab settings	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
To the Honorable Commissioner of Paten. 1007	768463 iginal documents or copy thereof.
1. Name of conveying party(ies): Mohammad Abdallah Vladimir Pentkovski	2. Name and address of receiving party(ies): Name: Late Corporation Internal Address:
Additional name(s) of conveying party(ies) attached? Yes No	
3. Nature of conveyance: Assignment	Street Address: 2200 Mission College Blvd. City Santa Clara State CA ZIP 95052
Execution Date: 6/30/98; 6/26/98	Additional name(s) & address(es) attached?
A. Patent Application No.(s) 09/052,904	n, the execution date of the application is: B. Patent No.(s)
Additional numbers atta	ched? ☐ Yes ■ No
Name and address of party to whom correspondence oncerning document should be mailed:	6. Total number of applications and patents involved:
Name: Blakely, Sokoloff, Taylor & Zafman	7. Total fee (37 CFR 3.41)\$ 40.00
Internal Address:	Enclosed
Street Address: 12400 Wilshire Blvd.	Authorized to be charged to deposit account
7th Floor	8 Deposit account number:
City: Los Angeles State: CA ZIP: 90025	02-2666
07/16/1998 JSHABAZZ 00000164 09052904	(Attach duplicate copy of this page if paying by deposit account)
	SE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing copy is a true copy of the original document. Michael A. DeSanctis Name of Person Signing	information is true and correct and any attached 7/6/38 Ignature Date
Total number of pages comprising cover sheet	attachments, and document:

Mail documents to be recorded with required cover sheet information to:
Comissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

Attorney Docket No.: 042390.P5943

LJV/ccm (1/31/96)

Attorney's Docket No.: 042390.P5943 (For Execution After Filing Patent Application) In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, Mohammad A. Abdallah and Vladimir Pentkovski				
hereby sell, assign, and transfer to <u>Intel Corporation</u>				
a corporation of <u>Delaware</u> , having a principal place of business at <u>2200 Mission College Blvd.</u> , Santa Clara, CA <u>95052</u> , ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that was filed <u>March 31, 1998</u> and assigned Application No. <u>09/052,904</u> and is entitled <u>A METHOD AND APPARATUS FOR COMPUTING A SUM OF PACKED DATA</u> ELEMENTS USING SIMD MULTIPLY CIRCUITRY				
and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;				

agree that said Assignee may apply for and receive a patent or patents for said 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 divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said 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.

Rev. 10/01/96 (A2) PATENT

REEL: 9310 FRAME: 0856

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- 1 -

Date:	<u>630</u> , 19 48		
		Name: Mohammad A. Abdallah	
Date: 6/06	, 19 🎉	Name: Vladiniu Bandia adii	
e.		Name: Vladimir Pentkovski	
Date:	, 19	Name:	
Date:	, 19	Name:	
n .	4.0		
Date:	, 19	Name:	
Dale	, 19	Name:	
State of:	} <u>A</u> s	ssignment Document Return Addre	<u>∋ss:</u>
County of:	} SS. BL	ssignment Document Return Addre AKELY, SOKOLOFF, TAYLOR & 2400 Wilshire Blvd., Seventh Floor	ZAFMAN LLF -
County of.	Lo	os Angeles, California 90025-102	6
	(4)	08) 720-8598	
On this day of _	19	, before me,	
the undersigned Notai	ry Public, personal	ly appeared	
	se name(s) executed it.	to me on the basis of satisfactory of subscribed to the within instrume	
Notary's Signa	ature		
		I hereby certify that this correspondence is in with the United States Postal Service as first sufficient postage in an envelope addressistant Commissioner for Patents, Washing	class mail with
		On Date of Deposit +	F
		Name of Person Mailing Correspon	dence
			6-98

	FEE TRANSMITTAL					
Applic	TOTAL AMOUNT OF PAYMENT (\$) 40.00 Complete if Known: Application No. 09/052,904					
			ohamma	d Abdallah		
Group /	Art Unit	2751				
Examin	er Name <u>N</u>	lot yet As	signed			
Attorne	y Docket No	o. <u>04239</u>	0.P5943		··	
			•	neck one)		
1.	1. [] The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:					
	Deposit Account Number <u>02-2666</u> Deposit Account Name					
	[X]			Additional Fee Required Under 37 CFR 1.16 and 1.17		
	[]	Charge Notice	the Is of All	sue Fee Set in 37 CFR 1.18 at the Mailing of the owance, 37 CFR 1.131(b)		
	X	Payme	nt End	closed		
	X	Check				
			Order			
		Other				
FEE	CALCU	LATION	l (fees	s effective 10/01/97)		
1.	FILING	FEE	·	·		
Large	Entity	Small	Entity			
Fee	Fee	Fee	Fee			
Code	(\$)	Code	(\$)	Fee Description Fee Paid		
101	790	201	395	Utility application filing fee		
106	330	206	165	Design application filing fee		
107	540	207	270	Plant filing fee		
108	790	208	395	Reissue filing fee		
114	150	214	75	Provisional application filing fee		
				SUBTOTAL (1) \$ 0.00		
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2.	CLAIMS	5		Fee from Extra <u>below</u> Fee Paid		
Total	Claims			- 20 = X =		
Indep	endent (Claims		-3 = X =		
	ole Dep					
_	•			Programme (a company)		
Large	Entity	Small	Entity			
Fee	Fee	Fee	Fee			
Code	(\$)	Code	(\$)	Fee Description	Fee Paid	
103	22	203	11	Claims in excess of twenty		
102	82	202	41	Independent claims in excess of 3		
104	270	204	135	Multiple dependent claim		
109	82	209	41	Reissue independent claims over original patent	- Andread Construction of the Construction of	
110	22	210	11	Reissue claims in excess of 20 and over original patent		
				SUBTOTAL (2) \$ <u>0</u>	.00	

12/01/97 - 1 -PTO/SB/17 (10-96)

FEE CALCULATION (continued) ADDITIONAL FEES Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Fee Description Fee Paid 130 105 205 65 Surcharge - late filing fee or oath 127 50 227 25 Surcharge - late provisional filing fee or cover sheet 139 130 130 139 Non-English specification 147 2,520 147 2,520 For filing a request for reexamination 112 920* 112 920* Requesting publication of SIR prior to Examiner action Requesting publication of SIR after 113 1,840* 113 1.840* **Examiner** action 115 55 110 215 Extension for response within first month 116 400 216 200 Extension for response within second month 117 950 217 475 Extension for response within third month 118 1.510 218 755 Extension for response within fourth month Extension for response within fifth month 128 2.060 228 1.030 119 310 219 155 Notice of Appeal 120 310 220 Filing a brief in support of an appeal 155 121 270 221 135 Request for oral hearing 138 1,510 138 1,510 Petition to institute a public use proceeding 140 Petition to revive unavoidably abandoned 110 240 5 5 application Petition to revive unintentionally 141 1,320 241 660 abandoned application 142 1,320 660 242 Utility issue fee (or reissue) 143 450 243 225 Design issue fee 144 670 244 335 Plant issue fee 122 130 122 130 Petitions to the Commissioner 123 50 123 50 Petitions related to provisional applications 126 240 126 240 Submission of Information Disclosure Stmt 581 40 581 40 Recording each patent assignment per property (times number of properties) 40.00 146 790 246 395 For filing a submission after final rejection (see 37 CFR 1.129(a)) 149 790 249 395 For each additional invention to be examined (see 37 CFR 1.129(a)) Other fee (specify) Other fee (specify) ___ SUBTOTAL (3)\$__40.00 *Reduced by Basic Filing Fee Paid SUBMITTED BY: Michael Anthony DeSarctis Typed or Printed Name: Signature Date Deposit Account User ID____ Reg. Number <u>39,957</u> (complete if applicable)

REEL: 9310 FRAME: 0859

				FEE TRANSMITTAL	
	TOTAL AMOUNT OF PAYMENT (\$) 40.00 Complete if Known:				
	cation No Date <u>3/31/</u>		052,904		
			hamma	d Abdallah	
	Art Unit			u Apualian	
			sianed		
	y Docket No				
METH	IOD OF	PAYME	ENT (c	heck one)	
1.	1. [] The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:				
	Deposit Account Number <u>02-2666</u> Deposit Account Name				
	[x]			Additional Fee Required Under 37 CFR 1.16 and 1.17	
	[]			ssue Fee Set in 37 CFR 1.18 at the Mailing of the owance, 37 CFR 1.131(b)	
2.	X	Payme		closed	
	X	Check			
		Money Other	Order		
		Other			
FEE	CALCU	LATION	l (fee:	s effective 10/01/97)	
1.	FILING	FEE			
Large	Entity	<u>Small</u>	Entity		
Fee	Fee	Fee	Fee		
Code	· · /	Code		Fee Description Fee Paid	
101	790	201	395	Utility application filing fee	
106	330	206	165	Design application filing fee	
107	540	207	270	Plant filing fee	
108	790	208	395	Reissue filing fee	
114	150	214	75	Provisional application filing fee	
				SUBTOTAL (1) \$ <u>0.00</u>	
2.	CLAIMS	6		Fee from	
				Extra below Fee Paid	
Total	Claims			- 20 = X =	
Independent Claims 3 = X = Multiple Dependent Claims X =					
	ріо шор	01140111	0.0	· · · · · · · · · · · · · · · · · · ·	
Large	Entity	<u>Small</u>	Entity		
Fee	Fee	Fee	Fee		
Code		Code	(\$)	Fee Description	Fee Paid
103	22	203	11	Claims in excess of twenty	
102	82	202	41	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim	
109 110	82 22	209 210	41 11	Reissue independent claims over original patent Reissue claims in excess of 20 and over original patent	
' ' '	22	210	* 1	nelssue claims in excess of 20 and over original patent	
				SUBTOTAL (2) \$ <u>0</u>	.00

12/01/97

FEE CALCULATION (continued) **ADDITIONAL FEES** Large Entity **Small Entity** Fee Fee Fee Fee Code (\$) Code (\$) Fee Description Fee Paid 105 130 205 65 Surcharge - late filing fee or oath Surcharge - late provisional filing fee 127 50 227 25 or cover sheet 139 130 139 130 Non-English specification 147 2,520 147 2,520 For filing a request for reexamination 112 920* 920* 112 Requesting publication of SIR prior to Examiner action 113 1,840* 1.840* 113 Requesting publication of SIR after Examiner action 115 110 215 55 Extension for response within first month 116 400 216 200 Extension for response within second month 117 950 217 475 Extension for response within third month 118 1,510 218 755 Extension for response within fourth month 128 2,060 1,030 228 Extension for response within fifth month 119 310 219 155 Notice of Appeal 120 310 220 155 Filing a brief in support of an appeal 121 270 221 135 Request for oral hearing 138 1,510 138 1,510 Petition to institute a public use proceeding 140 110 240 55 Petition to revive unavoidably abandoned application Petition to revive unintentionally 141 1,320 241 660 abandoned application 142 1,320 242 660 Utility issue fee (or reissue) 143 450 243 225 Design issue fee 144 670 244 335 Plant issue fee 122 130 122 130 Petitions to the Commissioner Petitions related to provisional applications 123 50 123 50 126 240 126 240 Submission of Information Disclosure Stmt 581 40 581 40 Recording each patent assignment per property (times number of properties) 40.00 146 790 246 395 For filing a submission after final rejection (see 37 CFR 1.129(a)) For each additional invention to be examined 149 790 249 395 (see 37 CFR 1.129(a)) Other fee (specify) _ Other fee (specify) __ SUBTOTAL (3)\$__40.00___ *Reduced by Basic Filing Fee Paid SUBMITTED BY: Michael Anthony DeSanctis Typed or Printed Name: Signature Date Deposit Account User ID_ Reg. Number 39,957 (complete if applicable)

FIRST CLASS CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United

		th sufficient postage in an envelope for Patents, Washington, D.C. 2023	
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	Joleth Mr. Com	2-4-35	
	Signature	Date	

BSTZ File No.: 042390 . P5943 Date Mailed: July 6 . 1998	OP COMPUMENC
Application - Rule 1.60 Continuation (pgs.) Application - Rule 1.60 Continuation (pgs.) Application - Rule 1.60 Division (pgs.) Application - Rule 1.60 CIP (pgs.) Application - Rule 1.62 Transmittal (pgs.) Application - Design (pgs.) Application - PCT (pgs.) Application - Provisional (pgs.) Assignment and Cover Sheet Certificate of Mailing Declaration & POA (pgs.) DisclosureDass & Gig & Copy of inventor's Signed Letter (pgs.) Drawings.	Check No.23195

PATENT REEL: 9310 FRAME: 0862