

09-09-2004



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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof 1. Name of conveying party(ies): Anthony L. Chun (exis 1/2004); Ernest T. Tsui (exis1/2004) and Walter L. Snyder (exis/27/2004) Additional name(s) of conveying party(ies) 3. Nature of Conveyance: X Assignment Other Security Agreement Other Execution Date: May 27, 2004 and Aug. 31, 2004 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: A. Patent Application No.(s): 10/813,597 Additional numbers attached? Additional numbers of party to whom correspondence concerning document should be mailed: Name: VENABLE Internal Address: Atty. Dkt.: 42339-199429 Street Address: P.O. Box 34385 26694 PATENT TRADEMARK OFFICE City: State: Zip: Washington Do Not Use THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. W. Russell Swindell - 50,906 Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 9. September 2, 2004 Authorized to be charged to deposit account information is true and correct and any attached copy is a true copy of the original document. W. Russell Swindell - 50,906 Name of Person Signing Total number of pages including cover sheet, attachments, and documents: 9. September 2, 2004 September 2, 2004	OMB No. 0651-0027 (exp. 5/3	1/2002)	PATENTS	ONLY	
Anthony L. Chun (8/31/2004); Emest T. Tsui (8/31/2004) and Walter L. Snyder (6/27/2004) Additional name(s) of conveying party(ies)	To the Honorable Com	missioner of Pate	nts and Trademarks: P	lease record the attached original doc	uments or copy thereof
and Walter L. Snyder (05/27/2004) Internal Address: Street Address: Additional name(s) & Additional name	1. Name of conveying	g party(ies):		2. Name and address of receivi	ng party(ies)
Additional name(s) of conveying party(ies)			. Tsui (08/31/2004)		
Security Agreement Change of Name Other State: CA Zip: 95052 Additional name(s) & address(es) attached: 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: A. Patent Application No.(s): 10/813,597 Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: VENABLE Internal Address: Atty. Dkt.: 42339-199429 Street Address: P.O. Box 34385 26694 PATENT TRADEMARK OFFICE City: Washington DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. W. Russell Swindell - 50,906 Name of pages including cover sheet, attachments, and documents: 9	attached?		Yes x No		<i>r</i> ard
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WORLDWIDE ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 3154 day of August, 2004, by Anthony L. Chun, Ernest T. Tsui, and Walter L. Snyder (hereinafter referred to as Assignors), residing at 1711 Lantis Lane, Los Altos, California 94024; 11260 Bubb Road, Cupertino, California 95014; and 1877 Dandini Circle, San Jose, California, 95128, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in FLEXIBLE ACCELERATORS FOR PHYSICAL LAYER PROCESSING, set forth in a Patent application for Letters Patent of the United States, already filed on March 31, 2004 as U.S. application No. 10/813,597; and

WHEREAS, Intel Corporation, a Corporation organized under and pursuant to the laws of Delaware having its principal place of business at 2200 Mission College Boulevard, Santa Clara, California, 95052 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

PATENT *0: 10 +0-18-80

REEL: 015758 FRAME: 0937

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

PATENT PO-18-80

REEL: 015758 FRAME: 0938

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

VENABLE LLP

1

All practitioners at Customer Number 26694

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

	l	inthy L.P	?. CR
		An	thony L. Chun
Date: Aug 31,	2004		
United States of Ame State of	rica) California) ss.	:	
County of	Santa Class		
On this	day of	,	, before me
personally came	Anthony L. Chun	, to me know	vn to be the individual
described in and who of the same.	executed the foregoing instr	ument, and ackno	wledged execution
		Notary Public	

Ernest T. Tsui

Date: 🔣	31104	
United States of Am State of County of		ss.:
On this S S personally came described in and who of the same.	day of Aug. Ernest T. Tsui o executed the foregoing ins	, zoo, before me , to me known to be the individual strument, and acknowledged execution
		Notary Public
		Walter L. Snyder
Date:		
United States of An State of County of	· · · · · · · · · · · · · · · · · · ·	ss.:
On this	day of	, before me
personally came described in and who of the same.	Walter L. Snyder to executed the foregoing in	, to me known to be the individual strument, and acknowledged execution
		Notary Public

10:10 +0-18-80

DC9-DOCS1-549296



WORLDWIDE ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this27 day ofMay, _2004, by
Anthony L. Chun, Ernest T. Tsui, and Walter L. Snyder (hereinafter referred to as Assignors)
residing at 1711 Lantis Lane, Los Altos, California 94024; 11260 Bubb Road, Cupertino,
California 95014; and 1877 Dandini Circle, San Jose, California, 95128, respectively;

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AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this
Assignment any further identification which may be necessary or desirable in order to comply
with the rules of the United States Patent and Trademark Office for recordation of this
document:

VENABLE LLP

All practitioners at Customer Number 26694

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

			Anthony L. Chun
Date:			
United States of An	nerica)		
State of) ss	s.:	
County of)		
On this	day of	,	, before me
personally came	Anthony L. Chun	, to me k	nown to be the individual
described in and wh	o executed the foregoing inst		
or the same.			
		Notary Public	:

		Ernest T. Tsui
Date:		
United States of Am	nerica)	
State of)	SS.:
County of		
On this	day of	, before me
personally came	Ernest T. Tsui	, to me known to be the individual
of the same.	o executed the foregoing in	strument, and acknowledged execution
		Notary Public
		Walter L. Snyder
Date: MAY	27,2004	
United States of Am State of County of	erica))	SS.:
On this	day of	, before me
personally came	Walter L. Snyder	, to me known to be the individual
described in and who of the same.		strument, and acknowledged execution
		Notary Public

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RECORDED: 09/02/2004