(Rev. 03/01)		V () A () V () A () V (A A)	U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
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To the Honorable Commissioner of	Patents and Trademarks:	Please record the attac	hed original documents or copy thereof.
1. Name of conveying party(ies):		2. Name and add	Iress of receiving party(ies)
Chee Key Chung	•	Name: Intel C	corporation
Sook Chien Chan	12/17	Internal Addre	ss:
Kum Foo Leong	0/02		
Additional name(s) of conveying party(ies) at	ttached? Yes 🖌 No		
3. Nature of conveyance:			
Assignment	Merger		
Security Agreement	Change of Name	Street Address	S: 2200 Mission College Blvd
Other			
40/05/0000		City: Santa C	ClaraState:_CA_Zip:_95052
10/05/2002 Execution Date:		Additional name(s) & address(es) attached? Yes 🖌 No	
4. Application number(s) or patent r	number(s):		
If this document is being filed tog	ether with a new appl	ication, the executio	on date of the application is:
A. Patent Application No.(s)			s)
	······		
MIDENICS	Additional numbers at	tached? Yes 🖌 !	
5. Name and address of party to wh			f applications and patents involved:
· · · ·	ning document should be mailed:		
..	nailed:		
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Name: Paul J. Fordenbacher Internal Address: Schwabe Willia Suites 1600-1900	Amson & Wyatt Venue D: 97204 DO NOT USI 42,546 A2,546 ber of pages including cov commissioner of Patents &	7. Total fee (37 Cl Enclosed Authorized 8. Deposit account 500393 THIS SPACE Signature ar sheet, attachments, a required cover sheet info	FR 3.41)\$40.00

REEL: 013376 FRAME: 0168

Attomay's Docket No.; <u>P13724-109263-127486</u>

<u>ASSIGNMENT</u>

PATENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, <u>Chung C. Key; Chan Sook Chien; Leong Kum Foo</u>

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 Bird.</u> Santa Ciara, California <u>95032</u>, ("Assignee"), and its auccessore, assigne, 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 has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled <u>APPARATUS</u> <u>AND METHODS FOR INTERCONNECTING COMPONENTS TO VIA-IN-PAD</u> INTERCONNECTS

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, relasue applications, reexaminations, extensions, 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 patents, relasued patents, reexamination certificates, and extensions, 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 applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, relissue applications, reexaminations, extensions and all other patent applications on any and All said improvements; execute all rightful oaths, assignments, powers of atomay, 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 said improvements; and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and all applications for

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.

-1-

Rev. 01/01/2000 (A1)

PATENT REEL: 013376 FRAME: 0169

Each Inventor: Please also list the date that you signed the DECLARATION AND POWER OF ATTORNEY: Each Inventor: Please Sign and Date Below: 20 02 20 72-L Name: C ung. Dato Sillian 20 ^{ð 2} 20 0 2 Od SDate Name: Chen Sook Chien Date ŝ SEPT- 27 -, 2002 इस्री- ⇒‡ 2002 Date Name: Leong Kum Foo Date 20 20 Date Name: Date 20 , 20_ Date Name: Date 20_ 20 Dele Name: . Date .

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Rev. 01/01/2000 (A1)

** TOTAL PAGE. 32 **

RECORDED: 10/08/2002