FORM PTO-1619A Expires 06/30/99 OMB 0651-0027 05-24-2001



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U.S. Department of Commerce Patent and Trademark Office

**PATENT** 



### RECORDATION FORM COVER SHEET

To: the Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies). G  Submission Type  X New	i ·	Control on Trademont	PAIENIS ONL	Y HAC 11530	(20) (10S)
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Resubmission (Non-Recordation) Document ID#  Correction of PTO Error Reel #		15/14/01		<del></del>	
Correction of PTO Error Reel # Frame # U.S. Government Reel # Frame # Secret File  Conveying Party(ies)  Name (line 1) Lo, Ching-Ping  Name (line 2)  Second Party Name (line 1) Mayhew, Gregory L.  Name (line 1) The Boeing Company  Name (line 2)  Receiving Party  States, an appointment of a domestic of a d	X New	00/11/01	X Assignment	Security Agreement	
Reel # Frame # U.S. Government Corrective Document Reel # Frame # Departmental File Secret File  Conveying Party(ies)			License	Change of Name	
Corrective Document Real # Frame # Departmental File Secret File  Conveying Party(ies)  Name (line 1) Lo, Ching-Ping  Name (line 2)  Second Party Name (line 1)  Name (line 2)  Receiving Party  Name (line 3)  Receiving Party  Receiving Party  Receiving Party  Name (line 3)  Receiving Party  Receiving Party only.			Merger		
Conveying Party (ies)  Name (line 1)  Lo, Ching-Ping  O4232001  Name (line 2)  Second Party Name (line 1)  Mayhew, Gregory L.  Name (line 2)  Receiving Party  Mark if additional names of receiving parties attached Month Day Year  O4232001  Execution Date Month Day Year  O4232001  Mark if additional names of receiving parties attached  If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)  Address (line 2)  Address (line 3)  Seattle  City  State/Country  Enter for the first Receiving Party only.  Name  Address (line 3)  Address (line 3)  Address (line 3)	\	Document	(For Use	ONLY by U.S. Government Agencies	)
Name (line 1) Lo, Ching-Ping	Reel #	Frame #	Dep	artmental File Secr	et File
Name (line 1)  Second Party Name (line 1)  Mayhew, Gregory L.  Receiving Party  Name (line 1)  Name (line 1)  The Boeing Company  Name (line 2)  Address (line 1)  Address (line 3)  Seattle  Civ Slate/County  Name  Address (line 1)  Address (line 2)  Address (line 3)  Address (line 2)  Address (line 3)  Address (line 2)  Address (line 2)  Address (line 3)  Address (line 2)  Address (line 2)  Address (line 3)  Address (line 2)  Address (line 3)  Address (line 2)  Address (line 3)	Conveying Pa	ırty(ies)	X Mark if additional n	names of conveying parties attach	
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Second Party Name (line 1)  Name (line 2)  Receiving Party  Name (line 1)  Name (line 2)  Mark if additional names of receiving parties attached  If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached  Address (line 2)  Address (line 2)  Address (line 3)  Name  Address (line 1)  Address (line 1)  Address (line 2)	Name (line 2)				
Name (line 1) Mayhew, Gregory L.    Name (line 2)   Mark if additional names of receiving parties attached	Second Party				
Receiving Party  Name (line 1) The Boeing Company  Name (line 2)	-	Mayhew, Gregory L.			04232001
Name (line 1) The Boeing Company  Name (line 2)	Name (line 2)				
Name (line 1) The Boeing Company is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)  Address (line 3) Seattle WA, United States  City State/Country Zip Code  Domestic Representative Name and Address  Enter for the first Receiving Party only.  Address (line 1)  Address (line 2)  Address (line 3)	Receiving Par	rty	Ma	rk if additional names of receiving	parties attached
Name (line 2)   domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)  Address (line 3)   Seattle   WA, United States   Zip Code    Domestic Representative Name and Address   Enter for the first Receiving Party only.  Name   Address (line 1)    Address (line 2)   Address (line 3)	Name (line 1)	The Boeing Company			•
Address (line 1)  Address (line 2)  Address (line 3)  Seattle  City  State/Country  State/Country  Enter for the first Receiving Party only.  Address (line 1)  Address (line 2)  Address (line 2)  Address (line 3)	Name (line 2)				domiciled in the United States, an appointment
Address (line 2)  Address (line 3)  Seattle  City  State/Country  State/Country  Enter for the first Receiving Party only.  Name  Address (line 1)  Address (line 2)  Address (line 3)	Address (line 1)				representative is attached. (Designation must be a
City State/Country Zip Code  Domestic Representative Name and Address  Enter for the first Receiving Party only.  Address (line 1)  Address (line 2)  Address (line 3)	Address (line 2)				
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## Page 2

U.S. Department of Commerce Patent and Trademark Office PATENT

			IAILNI
Corresponde	ent Name and Address	Area Code and Telephone Number 775-	588-0345
Name (	Gregory Garmong		
Address (line 1)	P.O. Box 12460		
Address (line 2)	Zephyr Cove, NV	89448	
Address (line 3)			
Address (line 4)			
Pages	Enter the total number of p including any attachments	ages of the attached conveyance document	# 4
Application I	Number(s) or Patent Nu	mber(s) Mark if additions	al numbers attached
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Patent Coop	eration Treaty (PCT)		1
Ente	r PCT application number	PCT PCT	PCT
<u>only</u>	<u>if</u> a U.S. Application Numb not been assigned.	er PCT PCT	PCT
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Number of F	Enter the t	otal number of properties involved. #	1
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Method of Payment: Enclosed X Deposit Account Deposit Account			
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		Deposit Account Number: #	07-0143
		Authorization to charge additional fees: Yes	X No
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		original document. Charges to deposit accou	nt are authorized, as
indicat	ed herein.	4	
Gregory Ga	armong, Reg. 29,382	oreyon do	May 14, 2001
Name	of Person Signing	Signature ) \	Date

FORM PTO-1619C Expires 06/30/99 OMB 0651-0027

# RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

U.S. Department of Commerce Patent and Trademark Office

PATENT

Conveying Party(ies)  Mark if additional names of conveying parties attached	s.
Enter additional Conveying Parties	Execution Date  Month Day Year
Name (line 1) Catipon, Gustavo V	03282001
Name (line 2)	Execution Date Month Day Year
Name (line 1) Singleton, Richard L.	03222001
Name (line 2)	Execution Date Month Day Year
Name (line 1) Limberg, Edward C.	04202001
Name (line 2)	
Receiving Party(ies)  Mark if additional names of receiving party	rties attached
Enter additional Receiving Party(ies)	
Name (line 1)	If document to be recorded is an assignment and the receiving party is not
Name (line 2)	domiciled in the United States, an appointment
Address (line 1)	of a domestic representative is attached. (Designation must be a separate
Address (line 2)	document from Assignment)
Address (line 3) City State/Country Zip C	Code
Name (line 1)	If document to be recorded is an assignment and the
Name (line 2)	receiving party is not domiciled in the United States, an appointment of a
Address (line 1)	domestic representative is attached. (Designation must be a separate document from
Address (line 2)	Assignment.)
Address (line 3) City State/Country Zig	o Code
Application Number(s) or Patent Number(s) Mark if additional numbers attached	d
Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the	
Patent Application Number(s) Patent Number	nber(s)

We: CHING-PING LOW residing at 5006 Delacroix Road, Rancho Palos Verdes, California 90275; GREGORY L. MAYHEW residing at 123 E. Oak Avenue Unit 102, El Segundo, California 90245; GUSTAVO V. CATIPON residing at 2419 W. 229<sup>th</sup> Street, Torrance, California 90501; RICHARD L. SINGLETON residing at 2212 Pullman Lane A, Redondo Beach, California 90278; and EDWARD C. LIMBERG residing at 1802 Velez Drive, Rancho Palos Verdes, California 90275, have invented new and useful improvements entitled INTEGRATED CIRCUIT ASSEMBLY HAVING INTERPOSER WITH A COMPLIANT LAYER described and claimed in the specification forming part of our application for letters patent of the United States of America, filed herewith. This is an Assignment to The Boeing Company, Inc., a corporation of the State of Delaware, having its principal place of business at Seattle, King County, Washington.

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is acknowledged, I sell, assign, and transfer to The Boeing Company my full and exclusive right, title, and interest in and to the invention for the United States of America and all foreign countries, including the right to apply for patents, or inventor's certificates in the name of The Boeing Company in foreign countries, and in and to the application for letters patent of the United States of America. The Boeing Company shall hold the invention as the assignee for the use and benefit of itself and of its successors and assigns as fully and entirely as I would have held and enjoyed the invention had this assignment and sale not been made.

Ching-Ping Lo	
Legon P Maylew	4-23-01
Gregory L. Maynew	Date
Gustavo V. Catipon	Date
Richard L. Singleton	Date
Edward C. Limberg	Date

PATENT REEL: 011817 FRAME: 0538

We: CHING-PING LOW residing at 5006 Delacroix Road, Rancho Palos Verdes, California 90275; GREGORY L. MAYHEW residing at 123 E. Oak Avenue Unit 102, El Segundo, California 90245; GUSTAVO V. CATIPON residing at 2419 W. 229<sup>th</sup> Street, Torrance, California 90501; RICHARD L. SINGLETON residing at 2212 Pullman Lane A, Redondo Beach, California 90278; and EDWARD C. LIMBERG residing at 1802 Velez Drive, Rancho Palos Verdes, California 90275, have invented new and useful improvements entitled INTEGRATED CIRCUIT ASSEMBLY HAVING INTERPOSER WITH A COMPLIANT LAYER described and claimed in the specification forming part of our application for letters patent of the United States of America, filed herewith. This is an Assignment to The Boeing Company, Inc., a corporation of the State of Delaware, having its principal place of business at Seattle, King County, Washington.

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Ching-Ping Lo	Date
Gregory L. Mayhew	Date
Gustavo V. Catipon	<b>3-28-01</b> Date
Richard L. Singleton	Date
Edward C. Limberg	Date

PATENT REEL: 011817 FRAME: 0539

We: CHING-PING LOW residing at 5006 Delacroix Road, Rancho Palos Verdes, California 90275; GREGORY L. MAYHEW residing at 123 E. Oak Avenue Unit 102, El Segundo, California 90245; GUSTAVO V. CATIPON residing at 2419 W. 229<sup>th</sup> Street, Torrance, California 90501; RICHARD L. SINGLETON residing at 2212 Pullman Lane A, Redondo Beach, California 90278; and EDWARD C. LIMBERG residing at 1802 Velez Drive, Rancho Palos Verdes, California 90275, have invented new and useful improvements entitled INTEGRATED CIRCUIT ASSEMBLY HAVING INTERPOSER WITH A COMPLIANT LAYER described and claimed in the specification forming part of our application for letters patent of the United States of America, filed herewith. This is an Assignment to The Boeing Company, Inc., a corporation of the State of Delaware, having its principal place of business at Seattle, King County, Washington.

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Ching-Ping Lo	Date
Gregory L. Mayhew	Date
Gustavo V. Catipon	Date
Richard L. Singleton	3/22/01 Date
Edward C. Limberg	Date

PATENT REEL: 011817 FRAME: 0540

We: CHING-PING LOW residing at 5006 Delacroix Road, Rancho Palos Verdes, California 90275; GREGORY L. MAYHEW residing at 123 E. Oak Avenue Unit 102, El Segundo, California 90245; GUSTAVO V. CATIPON residing at 2419 W. 229<sup>th</sup> Street, Torrance, California 90501; RICHARD L. SINGLETON residing at 2212 Pullman Lane A, Redondo Beach, California 90278; and EDWARD C. LIMBERG residing at 1802 Velez Drive, Rancho Palos Verdes, California 90275, have invented new and useful improvements entitled INTEGRATED CIRCUIT ASSEMBLY HAVING INTERPOSER WITH A COMPLIANT LAYER described and claimed in the specification forming part of our application for letters patent of the United States of America, filed herewith. This is an Assignment to The Boeing Company, Inc., a corporation of the State of Delaware, having its principal place of business at Seattle, King County, Washington.

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Ching-Ping Lo	Date
Gregory L. Mayhew	Date
Gustavo V. Catipon	Date
Richard L. Singleton  Column C. Tumberg  Edward C. Limberg	Date  H/20/01  Date

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RECORDED: 05/14/2001 REEL: 011817 FRAME: 0541