

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jong Ho Yang</td><td>04/28/2009</td></tr><tr><td>Jin-Ping Han</td><td>04/28/2009</td></tr><tr><td>Henry K. Utomo</td><td>04/28/2009</td></tr><tr><td>Chung Who Lai</td><td>04/28/2009</td></tr></tbody></table>		Name	Execution Date	Jong Ho Yang	04/28/2009	Jin-Ping Han	04/28/2009	Henry K. Utomo	04/28/2009	Chung Who Lai	04/28/2009		
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<table border="1"><tr><td>Name:</td><td>Samsung Electronics Co., Ltd.</td></tr><tr><td>Street Address:</td><td>416, Maetan-dong, Yeongtong-gu</td></tr><tr><td>City:</td><td>Suwon-si, Gyeonggi-do</td></tr><tr><td>State/Country:</td><td>KOREA, REPUBLIC OF</td></tr></table>		Name:	Samsung Electronics Co., Ltd.	Street Address:	416, Maetan-dong, Yeongtong-gu	City:	Suwon-si, Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF				
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<table border="1"><tr><td>Name:</td><td>INFINEON NORTH</td></tr><tr><td>Street Address:</td><td>4505 Emperor Blvd.</td></tr><tr><td>Internal Address:</td><td>Suite 310</td></tr><tr><td>City:</td><td>Durham</td></tr><tr><td>State/Country:</td><td>NORTH CAROLINA</td></tr><tr><td>Postal Code:</td><td>27703</td></tr></table>		Name:	INFINEON NORTH	Street Address:	4505 Emperor Blvd.	Internal Address:	Suite 310	City:	Durham	State/Country:	NORTH CAROLINA	Postal Code:	27703
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State/Country:	NORTH CAROLINA												
Postal Code:	27703												
<table border="1"><tr><td>Name:</td><td>International Business Machines Corporation</td></tr><tr><td>Street Address:</td><td>New Orchard Road</td></tr><tr><td>City:</td><td>Armonk</td></tr><tr><td>State/Country:</td><td>NEW YORK</td></tr><tr><td>Postal Code:</td><td>10504</td></tr></table>		Name:	International Business Machines Corporation	Street Address:	New Orchard Road	City:	Armonk	State/Country:	NEW YORK	Postal Code:	10504		
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State/Country:	NEW YORK												
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<table border="1"><tr><td>Name:</td><td>Chartered Semiconductor Manufacturing Ltd.</td></tr><tr><td>Street Address:</td><td>60 Woodlands Industrial Park</td></tr><tr><td>Internal Address:</td><td>D Street 2</td></tr><tr><td>City:</td><td>Singapore</td></tr><tr><td>State/Country:</td><td>SINGAPORE</td></tr></table>		Name:	Chartered Semiconductor Manufacturing Ltd.	Street Address:	60 Woodlands Industrial Park	Internal Address:	D Street 2	City:	Singapore	State/Country:	SINGAPORE		
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Internal Address:	D Street 2												
City:	Singapore												
State/Country:	SINGAPORE												

OP \$40.00 12366356

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PATENT
REEL: 022633 FRAME: 0352

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12366356

CORRESPONDENCE DATA

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Email: guarascio@chauiplaw.com

Correspondent Name: F.Chau & Associates, LLC

Address Line 1: 130 Woodbury Road

Address Line 4: Woodbury, NEW YORK 11797

ATTORNEY DOCKET NUMBER:	8729-306/EMP
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NAME OF SUBMITTER:	Frank Chau
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Total Attachments: 8

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DOCKET NO.: 8729-306 IB-200711-101-1)

REEL: 022633 FRAME: 0354

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written
beside my and our respective names:

INVENTOR(S)

Date Signed

1)


Jong Ho Yang

4. 28. 2009

Page 2 of 2

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: INFINEON NORTH

ADDRESS: 4505 Emperor Blvd., Suite 310, Durham, NC 27703

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: ***STRESS OPTIMIZATION IN DUAL EMBEDDED EPITAXIALLY GROWN SEMICONDUCTOR PROCESSING***

invented by me (*if only one inventor is named below*) or us (*if more than one inventor is named below*) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. 8729-306 (IB-200711-101-1), or is more particularly identified as:

☒ executed on even date herewith, or
☒ Serial No. 12/366,356 filed in the U.S. Patent & Trademark Office on February 5, 2009,
or
executed on _____,

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said INFINEON NORTH, my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request Frank Chau, Reg. No. 34,136, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)

Date Signed

1) Jin-ping Han
Jin-Ping Han

April 28, 2009

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that:
IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other
good and valuable consideration, the receipt of which from the hereinafter named Assignee is
hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: INTERNATIONAL BUSINESS MACHINES CORPORATION

ADDRESS: New Orchard Road, Armonk, New York 10504

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title
and interest, in and for the United States of America and all other countries, including all rights
of priority, in and to the invention entitled:

TITLE: ***STRESS OPTIMIZATION IN DUAL EMBEDDED EPITAXIALLY
GROWN SEMICONDUCTOR PROCESSING***

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examined patents, and to any extensions thereof, said interest being the entire ownership of the
patent when granted, to be held and enjoyed by said INTERNATIONAL BUSINESS
MACHINES CORPORATION, my Assignee, its successors, assigns or other legal
representatives, to the full end of the term, terms, or any extension or renewal thereof, for which
said patent or patents may be granted, as fully and entirely as the same would have been held and
enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or
instruments which may from time-to-time be either necessary, lawful, proper or requested by the
Assignee, in the prosecution of the above-named application or in the preparation and
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IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(S)

Date Signed

1) Henry Utomo
Henry K. Utomo

April 28, 2009

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ASSIGNEE: CHARTERED SEMICONDUCTOR MANUFACTURING LTD.

ADDRESS: 60 Woodlands Industrial Park, D Street 2, Singapore 738406

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: ***STRESS OPTIMIZATION IN DUAL EMBEDDED EPITAXIALLY GROWN SEMICONDUCTOR PROCESSING***

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1) Chung Woh Lai
Chung Who Lai

April 28, 2009