_	
	FORM PT 1595 * C REC U.S. DEPARTMENT OF COMMERCE
	©2005 Staas & Haisey LLP
Į	To the Director of the U.S. Patent and Tradema 103286921
1.	Name of conveying party(ies): Kyoung Ro YOON Yoon Su KIM Young Hwan SHIN Tae Gon LEE
2.	Name and Address of receiving party(ies): SAMSUNG ELECTRO-MECHANICS CO., LTD. 314 Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-743, Republic of Korea
3.	Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other: Execution Date(s): June 23, 2006
4.	Application number(s) or patent number(s): This document is being filed together with a new application.
	OR This document is being filed after filing of the application: (a) Patent Application No(s)., filed; or (b) Patent No(s)., issued.
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 1954.1003 Attention: David M. Pitcher 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005
6.	Total number of applications and patents involved:1
7.	Total fee (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignment) ☐ Enclosed ☐ Authorized to be charged to deposit account.
8.	Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)
<u>David</u> Name	M. Pitcher, Reg. No. 25,908 of Person Signing Total number of pages including cover sheet: 3
	DO NOT OBE THIS SPACE

08/02/2006 DEMMANU1 00000052 11495649

40.00 OP

04 FC:8021

PATENT REEL: 018157 FRAME: 0356

U.S. ASSIGNMENT

S&H 1/00

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by

SAMSUNG ELECTRO-MECHANICS CO., LTD.

ADDRESS:

314, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-743, Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

SEMICONDUCTOR PACKAGE SUBSTRATE HAVING DIFFERENT THICKNESSES BETWEEN WIRE BONDING PAD AND BALL PAD AND METHOD FOR FABRICATING THE SAME

relating to International Patent Application PCT/___/ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on;

(b) filed on

Serial No;

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

Name: YOON, Kyoung Ro
Address: 104-804, Sejong Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-728, Republic of Korea

(Typed Name & Signature of Witness(es))

Name: Mark Hwang Address: 314, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-743, Republic of Korea

Tun 23.2006

Name: SHIN, Young Hwan Address: 510-704, Expo Apt., Jeonmin-dong, Yuseong-gu, Daejeon 305-762, Republic of Korea Name: Mark Hwang Address: 314, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-743, Republic of Korea

Name: KIM, Yoon Su

Address: 1087-8, Ponam 2-dong, Gangneung-si, Gangwon-do 210-940, Republic of Korea

Name: Mark Hwang

Name: Mark Hwang Address: 314, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-743, Republic of Korea

PATENT

REEL: 018157 FRAME: 0357

Name LEE, Tae Gon Address: 211-1803, Saemmeori Apt, Dunsan-dong, Seo-gu, Daejeon 302-120, Republic of Korea

06.23

Name: Mark Hwang Address: 314, Maetan 3-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 443-743, Republic of Korea

PATENT

REEL: 018157 FRAME: 0358

RECORDED: 07/31/2006