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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jong-Ho Lee Sung-Yoon Jung
Joo-Hyun Lee Chungyong Lee
Sung-Hwan Kim Jaesang Ham
Jong-Hyeuk Lee Myoung-Seok Kim

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Samsung Electronics Co., Ltd.

Internal Address: 416, Maetan-dong, Yeongtong-gu
Suwon-si, Gyeonggi-do

Republic of Korea 442-370

Street Address: Same as above

City: _____ State: _____ Zip: _____

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

03/31/09, 03/31/09, 03/31/09, 03/31/09

03/31/09, 03/23/09, 03/23/09, 03/23/09,
Execution Date: respectively

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 03/31/09

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Docket Clerk

Internal Address: P.O. Drawer 800889
Dallas, Texas 75380

Street Address: _____

City: _____ State: _____ Zip: _____

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

50-0208

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9. Signature.

William A. Munck, Registration No. 39,308

Name of Person Signing

Signature

April 1, 2009

Date

Total number of pages including cover sheet, attachments, and documents:

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

Continued from Item #2 above

NAME: Industry-Academic Cooperation Foundation, Yonsei University

Address: 134, Sinchon-dong, Seodaemun-gu
Seoul, Republic of Korea

ASSIGNMENT

WHEREAS, We, Jong-Ho LEE, resident of Gwanak-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Joo-Hyun LEE, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Sung-Hwan KIM, resident of Suwon-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Jong-Hyeuk LEE, resident of Anyang-si, Gyeonggi-do, Republic of Korea, citizen of Republic of Korea, Sung-Yoon JUNG, resident of Seongdong-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Chungyong LEE, resident of Seodaemun-gu, Seoul, Republic of Korea, citizen of Republic of Korea, Jaesang HAM, resident of Seodaemun-gu, Seoul, Republic of Korea, citizen of Republic of Korea, and Myoung-Seok KIM, resident of Seodaemun-gu, Seoul, Republic of Korea, citizen of Republic of Korea, have invented certain new and useful improvements in a "RECEIVING APPARATUS AND METHOD FOR MAXIMUM LIKELIHOOD IN A SINGLE CARRIER SYSTEM" disclosed in an application for United States Letters Patent (Application No. _____, filed _____), said application having been executed concurrently herewith;

WHEREAS, SAMSUNG ELECTRONICS CO., LTD, a corporation organized under the laws of the Republic of Korea, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 442-370, Republic of Korea and INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY, having a place of business at 134, Sinchon-dong, Seodaemun-gu, Seoul, Republic of Korea (hereinafter referred to as "ASSIGNEES"), are desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEES, their successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; We authorize William A. Munck or John T. Mockler of Munck Carter, LLP to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEES of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEES, their successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEES, their successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEES, or to their successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEES, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEES and to aid said ASSIGNEES, their successors, assigns and legal representatives to obtain and enforce proper protection for said invention in all countries.

Date: March 31, 2009

Jong-Ho Lee
Jong-Ho LEE

Date: March 31, 2009

Joo Hyun Lee
Joo-Hyun LEE

Date: March 31, 2009

Sung-Hwan KIM
Sung-Hwan KIM

Date: March 31, 2009

Jong-Hyeuk LEE
Jong-Hyeuk LEE

Date: March 31, 2009

Sung-Yoon JUNG
Sung-Yoon JUNG

Date: 3/23/2009

Chungyong LEE
Chungyong LEE

Date: 3/23/2009

Jaesang HAM
Jaesang HAM

Date: 3/23/2009

Myoung Seok KIM
Myoung-Seok KIM