

11-20-2008



SAMS05-16517

To the Director of the U.S. Patent

103536074

documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):
Kyoung-Jae Lee
In-Kyu Lee

2. Name and address of receiving party(ies)
Name: Samsung Electronics Co., Ltd.
Internal Address: _____

Execution Date(s) November 7, 2008, respectively
Additional name(s) of conveying party(ies) attached? Yes No

Street Address: 416, Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 442-370

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
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City: _____
State: _____
Country: Republic of Korea Zip: _____

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4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s) _____ B. Patent No.(s) _____

Additional numbers attached? Yes No

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

6. Total number of applications and patents involved: 1

Name: Docket Clerk
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7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
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 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number 50-0208
Authorized User Name William A. Munck

9. Signature: William A. Munck Signature November 7, 2008 Date

William A. Munck, Reg. No 39,308
Name of Person Signing
Total number of pages including cover sheet, attachments, and documents: 4

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Continued from Item #2 above

NAME: Seoul National University Industry Foundation

Address: San 4-2, Bongcheon-dong
Gwanak-gu, Seoul
Republic of Korea

DOCKET NO. P16517-US (SAMS05-16517)

PATENT

ASSIGNMENT

WHEREAS, We, Kyoung-jae Lee, resident of Nowon-gu, Seoul, Republic of Korea, citizen of Republic of Korea, and In-Kyu Lee, resident of Seocho-gu, Seoul, Republic of Korea, citizen of Republic of Korea, have invented certain new and useful improvements in a "METHOD AND APPARATUS FOR DECOMPOSING CHANNEL IN CLOSED-LOOP MULTIPLE INPUT MULTIPLE OUTPUT COMMUNICATION SYSTEM" disclosed in an application for United States Letters Patent (Application Serial No. _____, filed on _____), 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 SEOUL NATIONAL UNIVERSITY INDUSTRY FOUNDATION, having a place of business at San 4-2, Bongcheon-dong, Gwanak-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, P.C. 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.

PATENT

REEL: 021871 FRAME: 0680

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: November 7, 2008



Kyoung-Jae Lee

Date: November 7, 2008



In-Kyu Lee