

Form PTO-1595 (Rev. 10/02) 12-16-03 RE
OMB No. 0651-0027 (exp. 6/30/2005)
Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼

12-30-2003



102834245

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

17302 U.S. PTO
10737339
121603

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

1. Name of conveying party(ies):
FANG, Yuguang
KIM, Byung-Seo
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: University of Florida
Internal Address: _____

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 12/15/2003 and 12/15/2003

Street Address: 223 Grinter Hall
City: Gainesville State: FL Zip: 32611
Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): 101737339 12/15/2003
If this document is being filed together with a new application, the execution date of the application is: 12/15/2003
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: Pablo Meles, Esquire
Internal Address: AKERMAN SENTERFITT
P.O. Box 3188
Street Address: 222 Lakeview Avenue
Suite 400
City: West Palm Beach State: FL Zip: 33402-3188

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41).....\$ 40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number:
50-0951

DO NOT USE THIS SPACE

9. Signature.
Pablo Meles, Esquire
Name of Person Signing

Signature
December 16, 2003
Date

Total number of pages including cover sheet, attachments, and documents: 4

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

12/29/2003 DBYRNE 00000003 500951 10737339
01 FC:8021 40.00 DA

EXPRESS MAIL LABEL:
EV346749955US

PATENT
REEL: 014824 FRAME: 0643

ASSIGNMENT

WHEREAS, WE, the below-named inventors whose residence and post office are as stated below, have invented certain new and useful improvements in a

**CHANNEL ESTIMATION AND SYNCHRONIZATION WITH PREAMBLE
USING POLYPHASE CODE**

for which an application for United States Letters Patent was executed by us on even date herewith, and

WHEREAS, UNIVERSITY OF FLORIDA, existing by virtue of the laws of the State of Florida, and having an office at 223 Grinter Hall, Gainesville, FL 32611, and SAMSUNG ELECTRO-MECHANICS, CO., LTD., with offices located at 314 Maetan 3-dong, Paldal-gu, Suwon, Kyunggi-do, 442-743, KOREA, hereinafter called the ASSIGNEES, are desirous of acquiring the entire right, title and interest in the application and invention and to any Letters Patent that may be granted therefore in the United States of America and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign to ASSIGNEES the entire right, title and interest in the application and the invention, to all rights of priority thereto pursuant to the International Convention for the Protection of Industrial Property, and in any Letters Patent on the invention that may be granted in the United States of America and in any and all foreign countries, including any and all Letters Patent that are divisions, reissues, continuations, substitutions or extensions of any Letters Patent or applications therefore on the invention.

We hereby authorize and request the Commissioner of the United States Patent and Trademark Office and the officials of any and all foreign countries to issue any and all of said Letters Patent, when granted, to the ASSIGNEES.

Further, we hereby agree to communicate to said ASSIGNEES or their representatives any facts known to us respecting said invention, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal and reissue applications, to execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEES, and to make all rightful oaths and generally do everything possible to aid said ASSIGNEE and its representatives to obtain and enforce proper protection for said invention in the United States of America and in any and all foreign countries.

We further agree that the terms, covenants and conditions of this assignment shall inure to the benefit of ASSIGNEES, their successors, assigns, and legal

representatives, and shall be binding on us, our heirs, legal representatives, and assigns.

Full name of inventor: **YUGUANG FANG**

Signature:  Date: 12/15/03


Residence: 2622 SW 98th Drive, Gainesville, FL 32608

State of Florida)

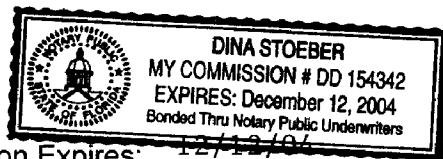
County of Alachua)

On this 15th day of December, 2003, before me, a Notary Public in and for the County and State aforesaid, appeared **YUGUANG FANG** to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

WITNESS my hand and seal the day and year last above given.


Notary Public

SEAL



My Commission Expires: 12/12/04

Full name of inventor: BYUNG-SEO KIM

Signature: [Handwritten Signature] Date: 12/15/03

Residence: 329 University Village South, #5, Gainesville, FL 32603-2055

State of Florida)

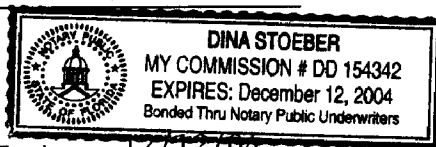
County of Alachua)

On this 15th day of December, 2003, before me, a Notary Public in and for the County and State aforesaid, appeared **BYUNG-SEO KIM** to me personally known to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he executed said instrument as his free and voluntary act and for the uses and purposes therein expressed.

[Handwritten Signature]

Notary Public

SEAL



My Commission Expires: 12/12/04