

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NANORADIO AB	07/22/2013
RECEIVING PARTY DATA	
Name:	Samsung Electronics Co., Ltd.
Street Address:	129, Samsung-ro, Yeongtong-gu
City:	Suwon-si, Gyeonggi-do
State/Country:	KOREA, REPUBLIC OF
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12993394
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	678-4720
NAME OF SUBMITTER:	Paul J. Farrell
Signature:	/pjf/
Date:	07/23/2013
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

OP \$40.00 12993394

PATENT

PATENT

Attorney Docket No. 678-4720

For: ☒ U.S. and/or ☒ Foreign Rights
For: ☒ U.S. Application or ☐ U.S. Patent
By: ☐ Inventor(s) or ☒ Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR: (Inventor(s) or person(s) or entity(ies) who own the invention)

NANORADIO AB
TORSHAMNSGATAN 39
KISTA, SWEDEN SE16440

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on June 2, 2011
Reel 026378
Frame 0134

hereby sells, assigns and transfers to:

ASSIGNEE:
SAMSUNG ELECTRONICS CO., LTD.
129, Samsung-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do, 443-742, Republic of Korea

and the successors, assigns and legal representatives of the ASSIGNEE

(complete one of the following)

- ☒ the entire right, title and interest
- ☐ an undivided _____ percent (_____%) interest for the United States and its territorial possessions

(Assignment of Invention [14-3] - page 1 of 3)



(check the following box if foreign rights are also to be assigned)

- and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**METHODS AND AN APPARATUS FOR ESTIMATING A RESIDUAL
FREQUENCY ERROR IN A COMMUNICATIONS SYSTEM**

(check and complete (a), (b), (c) or (d))

and which is found in:

- (a) ☐ U.S. Patent Application executed on even date herewith.
- (b) ☐ U.S. Patent Application executed on _____.
- (c) ☒ U.S. Patent Application No. 12/993,394 filed on November 18, 2010.
- (d) ☐ U.S. Patent No. _____ issued _____.
 - ☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

(also check (e) if foreign application(s) is also being assigned)

- (e) ☒ and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Dated: 22.07.2013

Martin Sallenhag
VP

Title