

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2906476

|                                                                                                                                                                                                 |                                       |                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT                        |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                            |                       |
| <b>SEQUENCE:</b>                                                                                                                                                                                | 5                                     |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                                       |                       |
|                                                                                                                                                                                                 | <b>Name</b>                           | <b>Execution Date</b> |
|                                                                                                                                                                                                 | NOKIA SOLUTIONS AND NETWORKS OY       | 03/24/2014            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                                       |                       |
| <b>Name:</b>                                                                                                                                                                                    | CELLULAR COMMUNICATIONS EQUIPMENT LLC |                       |
| <b>Street Address:</b>                                                                                                                                                                          | 2400 DALLAS PARKWAY                   |                       |
| <b>Internal Address:</b>                                                                                                                                                                        | SUITE 200                             |                       |
| <b>City:</b>                                                                                                                                                                                    | PLANO                                 |                       |
| <b>State/Country:</b>                                                                                                                                                                           | TEXAS                                 |                       |
| <b>Postal Code:</b>                                                                                                                                                                             | 75093                                 |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                                       |                       |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                         |                       |
| <b>Application Number:</b>                                                                                                                                                                      | 14309787                              |                       |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                                       |                       |
| <b>Fax Number:</b>                                                                                                                                                                              |                                       |                       |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                                       |                       |
| <b>Phone:</b>                                                                                                                                                                                   | 330-877-0700                          |                       |
| <b>Email:</b>                                                                                                                                                                                   | docketing@martinferraro.com           |                       |
| <b>Correspondent Name:</b>                                                                                                                                                                      | MARTIN & FERRARO, LLP                 |                       |
| <b>Address Line 1:</b>                                                                                                                                                                          | 1557 LAKE O'PINES STREET, NE          |                       |
| <b>Address Line 4:</b>                                                                                                                                                                          | HARTVILLE, OHIO 44632                 |                       |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 194.0026-03000                        |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | ALFRED Y. CHU                         |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Alfred Y. Chu/                       |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 06/19/2014                            |                       |
| <b>Total Attachments: 4</b>                                                                                                                                                                     |                                       |                       |
| source=5 Assignment from Nokia Solutions and Networks Oy to CCE#page1.tif                                                                                                                       |                                       |                       |
| source=5 Assignment from Nokia Solutions and Networks Oy to CCE#page2.tif                                                                                                                       |                                       |                       |
| source=5 Assignment from Nokia Solutions and Networks Oy to CCE#page3.tif                                                                                                                       |                                       |                       |
| source=5 Assignment from Nokia Solutions and Networks Oy to CCE#page4.tif                                                                                                                       |                                       |                       |

## ASSIGNMENT

**WHEREAS, Nokia Solutions and Networks Oy**, a Finnish limited liability company, having a principal place of business at Karaportti 3, 02610 Espoo (hereafter, together with any successors, legal representatives or assigns thereof, called "Assignor") and its affiliates are the beneficial owners of the **Patents and applications listed in Schedule 1 attached hereto;**

**AND WHEREAS, CELLULAR COMMUNICATIONS EQUIPMENT LLC**, a Texas limited liability company having a place of business at 2400 Dallas Parkway, Suite 200, Plano, Texas 75093 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said **Patents and applications listed in Schedule 1 attached hereto**, and all the inventions therein, and Assignor is willing to enter into such assignment.

**NOW, THEREFORE**, effective on 24 Nov 2014, 2014 and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from ASSIGNEE is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to (a) the **Patents and applications listed in Schedule 1 attached hereto**; (b) all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions (collectively "Related Cases") of such patents and patent applications; (c) all patents and patent applications (i) to which any or all of the foregoing directly or indirectly claims priority to, or the benefit of, the filing date, or (ii) for which any or all of the foregoing directly or indirectly forms a basis for priority or otherwise provides the benefit of an earlier filing date; and (d) all Related Cases (whether pending, issued, abandoned or filed before or after the effective date of this assignment) and foreign counterparts to any or all of the foregoing, including utility models, certificates of invention and equivalent rights worldwide; such right, title and interest further includes without limitation all rights to claim priority on the basis thereof, all rights to sue for past, present and future infringement, including the right to collect and receive any damages, royalties, or settlements for such infringements, all rights to sue for injunctive or other equitable relief, and any and all causes of action relating to any of the inventions or discoveries thereof;

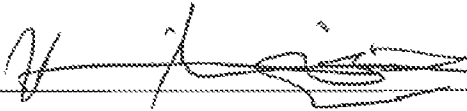
Assignor hereby covenants that it has full right to convey the entire interest herein assigned, and that it has not executed, and will not execute, any agreement in conflict with this Assignment;

Assignor hereby further covenants and agrees that it will communicate to ASSIGNEE any and all facts known to it respecting said patents, and testify in any legal proceeding, sign all lawful papers, execute and deliver all papers and take any actions that may be necessary or desirable to perfect the title to any aforementioned patents and inventions, execute all divisional, continuation, reexamination, reissue and substitute applications, and make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said inventions in all countries.

FOR USPTO RECORDING

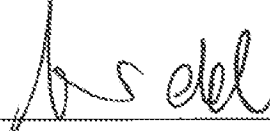
IN TESTIMONY WHEREOF, I hereunto set my hand this 24 day of March 2014  
20\_\_\_\_\_.

Nokia Solutions and Networks Oy  
(Assignor)

By 

Name: Hossein Moir

Title: Authorized Signatory

By 

Name: WEIDEL

Title: Authorized Signatory

WITNESSED BY:

By 

Name: Bernd Schen

**SCHEDULE 1**  
**Schedule 1 Patents**

| PUB. NO. | U.S. FAMILY | STATUS CODE<br>(G=GRANTED,<br>P=PENDING, E=EXPIRED) | TOTAL<br>FAMILY<br>MEMBERS | TITLE | NEW FAMILY<br>REF. NO. |
|----------|-------------|-----------------------------------------------------|----------------------------|-------|------------------------|
|----------|-------------|-----------------------------------------------------|----------------------------|-------|------------------------|

**REDACTED**

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|--------------------------------------|-----------------|----------------------------|----|-----------------|-----------|
| US20070255994A1<br>(Allowed 9/26/13) | US20070255994A1 | G<br>Granted as US 8645786 | 12 | Decoding Method | 200419339 |
|--------------------------------------|-----------------|----------------------------|----|-----------------|-----------|