

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SAIRAMESH NAMMI	01/25/2013
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<b>Property Type</b>	<b>Number</b>
Application Number:	14685079
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<b>DATE SIGNED:</b>	04/28/2015
<b>Total Attachments: 1</b>	
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Attorney Docket Number	2380-2036
First Named Inventor	Sairamesh NAMMI

**INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT  
APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)**

☐ Declaration Submitted With Initial Filing

**OR**

☒ Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)

**FINDING CHANNEL STATE INFORMATION WITH REDUCED CODEBOOK IN A  
MULTI-ANTENNA WIRELESS COMMUNICATION SYSTEM**

*(Title of the invention)*

As a below named inventor, I hereby declare that:

This declaration is directed to:

☐ The attached application.

**OR**

☒ United States Application Number or PCT International application number 13/748,212  
filed on January 23, 2013

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001  
by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above.

WHEREAS, Telefonaktiebolaget L M Ericsson (publ) (hereinafter ASSIGNEE), a corporation of the Country of Sweden, having an office and place of  
business at Torshamnsgatan 23, Stockholm, Sweden SE-164 83, is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby  
acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal  
representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described  
in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions,  
reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the  
Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements  
to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to  
issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed  
that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to  
this invention;

ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without  
further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S  
full protection and title in and to the invention hereby transferred; and

ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the  
filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

**AGREED and executed as noted below:**

**LEGAL NAME OF SOLE OR FIRST INVENTOR:**

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Sairamesh

NAMMI

Inventor's Signature:

*N. Sairamesh*

Date:

*25/01/2013*

☐ Additional inventors are being named on the \_\_\_\_\_ supplemental sheet(s) PTO/AIA/10 attached hereto  
(Page 1 of 1)

"Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed  
and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all  
information known to the person to be material to patentability as defined in [37 CFR] § 1.56."

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