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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

7-9-09

1. Name of conveying party(ies)

LOUAY JALLOUL (SIGNED ON 7-08-2009)  
SRIRAM MUDULODU (SIGNED ON 7-07-2009)  
SAM P ALEX (SIGNED ON 7-08-2009)  
LEENA ZACHARIAS (SIGNED ON 7-09-2009)  
BERT HOCHWALD (SIGNED ON 7-08-2009)

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 7-07-2209, 7-08-2009 and 7-09-2009

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other \_\_\_\_\_

2. Name and address of receiving party(ies)

Name: BECEEM COMMUNICATIONS INC.

Internal Address: \_\_\_\_\_

Street Address: 3960 FREEDOM CIRCLE, FIRST FLOOR

City: SANTA CLARA

State: CA

Country: USA Zip: 95054

Additional name(s) & address(es) attached?  Yes  No

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:

Name: BECEEM COMMUNICATIONS INC.

Internal Address: \_\_\_\_\_

Street Address: P. O. BOX 6585

City: SANTA CLARA

State: CA Zip: 95056-6585

Phone Number: 408-387-5000

Fax Number: 408-387-5099

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

07/17/2009 DBYRNE 00000028 503711 12459912

Deposit Account Number 18-00-0011

Authorized User Name SURENDRA BABU MANDAVA

9. Signature:

Signature

7-09-2009  
Date

SURENDRA BABU MANDAVA, CEO - BECEEM COMMUNICATIONS INC.  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

## A S S I G N M E N T

In consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **LOUAY JALLOUL, SRIRAM MUDULODU, SAM P. ALEX, LEENA ZACHARIAS, BERTRAND HOCHWALD** the undersigned Assignors, believing to be the original, first and sole or joint inventors of any and all new and useful improvements disclosed in the application for the United States patent entitled:

### METHOD AND APPARATUS FOR MANAGING UPLINK COMMUNICATION IN WIRELESS COMMUNICATION NETWORK

hereby sell, assign, and transfer to **Beceem Communications Inc.**, having a principal place of business at **3960 Freedom Circle, 1<sup>st</sup> Floor, Santa Clara, CA 95054**, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the same patent application:

- which was filed with the United States Patent and Trademark Office on \_\_\_\_\_, Application Number \_\_\_\_\_
- which has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below.




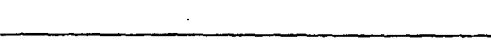

The undersigned further sell, assign, and transfer to Assignee said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application; and the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise.

The undersigned further agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said

improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives.

The undersigned covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.


The undersigned hereby authorize and request the Officials of the United States Patent and Trademark Office and any and all foreign Patent Offices to issue any and all Letters Patents, when granted, to said Assignee as the assignee of the entire right, title and interest in and to the same, for the sole use of said Assignee, its successors and assigns, to the full end of the term for which said Letters Patents may be granted.

Inventor/Assignor:	Signature	Date
Louay JALLOUL		July 8, 2009
Sriram MUDULODU		July 7, 2009
Sam P. ALEX		July 8, 2009
Leena ZACHARIAS		<del>July 8, 2009</del>
Bertrand HOCHWALD		July 8, 2009

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Sriram MUDULODU	_____	July 7, 2009
Sam P. ALEX	_____	July 8, 2009
Leena ZACHARIAS	 _____	July 9, 2009
Bertrand HOCHWALD	_____	July 8, 2009