

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3783410

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the NATURE OF CONVEYANCE TO READ A NUNC PRO TUNC ASSIGNMENT EFFECTIVE AS OF NOVEMBER 12, 2004 previously recorded on Reel 031140 Frame 0938. Assignor(s) hereby confirms the ASSIGNMENT.	
<b>RESUBMIT DOCUMENT ID:</b>	503713241	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	PHILIP CHARLES SAPIANO	01/11/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	LUCENT TECHNOLOGIES, INC.	
<b>Street Address:</b>	600 MOUNTAIN AVENUE	
<b>Internal Address:</b>	P.O. BOX 636	
<b>City:</b>	MURRAY HILL	
<b>State/Country:</b>	NEW JERSEY	
<b>Postal Code:</b>	07974-0636	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Patent Number:	9113386
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(973)530-2228	
<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>	9735302028	
<b>Email:</b>	patent@csglaw.com	
<b>Correspondent Name:</b>	JEFFREY M. WEINICK	
<b>Address Line 1:</b>	CHIESA SHAHINIAN & GIANOMASI PC	
<b>Address Line 2:</b>	ONE BOLAND DRIVE	
<b>Address Line 4:</b>	WEST ORANGE, NEW JERSEY 07052	
<b>ATTORNEY DOCKET NUMBER:</b>	14219.0382	
<b>NAME OF SUBMITTER:</b>	DIKLA BOROCHOV	
<b>SIGNATURE:</b>	/Dikla Borochov/	
<b>DATE SIGNED:</b>	03/15/2016	
<b>Total Attachments: 5</b>		

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NUNC PRO TUNC ASSIGNMENT

THIS NUNC PRO TUNC ASSIGNMENT (this "Assignment") is made this 11 day of JANUARY, 2016, effective as of November 12, 2004, by Philip Charles Sapiano, of Wiltshire, The United Kingdom ("Assignor").

WITNESSETH

WHEREAS, Assignor is a joint inventor of the inventions related to **FAST HANDOVER WITH REDUCED SERVICE INTERRUPTION FOR HIGH SPEED DATA CHANNELS IN A WIRELESS SYSTEM** described in an application for Letters Patent of the United States, Application Serial No. 10/987,944 filed on November 12, 2004, issued on August 18, 2015, as U.S. Patent No. 9,113,386, and

WHEREAS, Assignor is desirous of assigning to Lucent Technologies Inc., a U.S. corporation ("Assignee"), as of November 12, 2004, the aforesaid inventions related to **FAST HANDOVER WITH REDUCED SERVICE INTERRUPTION FOR HIGH SPEED DATA CHANNELS IN A WIRELESS SYSTEM** described in an application for Letters Patent of the United States, Application Serial No. 10/987,944 filed on November 12, 2004, issued on August 18, 2015, as U.S. Patent No. 9,113,386.

NOW, THEREFORE, for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor agrees as follows:

1. For value received, Assignor hereby, sells, assigns, transfers, conveys and delivers to Assignee, nunc pro tunc, effective as of November 12, 2004, the entire right, title and interest, for the United States of America, in and to the inventions related to **FAST HANDOVER WITH REDUCED SERVICE INTERRUPTION FOR HIGH SPEED DATA CHANNELS IN A WIRELESS SYSTEM** described in an application for Letters Patent of the United States, Application Serial No. 10/987,944 filed on November 12, 2004, issued on August 18, 2015, as U.S. Patent No. 9,113,386, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions, and I also concurrently hereby sell, assign and transfer to Assignee the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority

arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

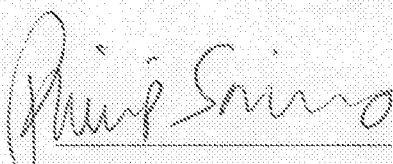
2. Assignor hereby authorizes Assignee to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

3. Assignor hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Assignee to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

4. Assignor hereby requests that any and all patents for said inventions be issued to Assignee in the United States and in all countries foreign to the United States, or to such nominees as Assignee may designate

I agree that, when requested, I shall, without charge to Assignee but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

IN WITNESS WHEREOF, the undersigned has executed this Nuac Pro Tune Assignment as of the date first above written.

  
Philip Charles Sapiano

11/1/2016  
Date

502483543 09/05/2013

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Philip Charles Sapiano	09/03/2013
RECEIVING PARTY DATA	
Name:	Lucent Technologies, Inc.
Street Address:	600 Mountain Avenue
Internal Address:	P.O. Box 636
City:	Murray Hill
State/Country:	NEW JERSEY
Postal Code:	07974-0636
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	10987944
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	Williams, Morgan & Amerson
Address Line 1:	10333 Richmond, Suite 1100
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ATTORNEY DOCKET NUMBER:	2100.014700
NAME OF SUBMITTER:	Terry D. Morgan
Signature:	/Terry D. Morgan/
Date:	09/05/2013
Total Attachments: 2 source=Assignment_Philip Charles Sapiano#page1.tif source=Assignment_Philip Charles Sapiano#page2.tif	

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 REEL: 031140 FRAME: 0938

PATENT  
 REEL: 037977 FRAME: 0786

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do(es) hereby:

SELL, ASSIGN AND TRANSFER to LUCENT TECHNOLOGIES INC. (the "Assignee"), a corporation of Delaware, having a place of business at 600 Mountain Avenue, P.O. Box 636, Murray Hill, New Jersey, 07974-0636, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "FAST HANDOVER WITH REDUCED SERVICE INTERRUPTION FOR HIGH SPEED DATA CHANNELS IN A WIRELESS SYSTEM" such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature:   
PHILIP CHARLES SAPIANO

Date: 3/SEPT 2013

WITNESSES FOR PHILIP CHARLES SAPIANO:

Signature: M. Awan

Date: 3 Sept 2013

Signature: DRB W...

Date: 3 Sept 2013