Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2012)

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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.		
Name of conveying party(ies)	2. Name and address of receiving party(ies)	
Asharat Dans Abbaile Charle California Dans Charles Control	Name: Telcordia Technologies, Inc.	
Ashutosh Dutta, Abhrajit Ghosh, Subir Das, Dana Chee, Fuchun Joseph Lin and Kyrlakos Manousakis, Shih-Wel Li	Internal Address:	
Additional name(s) of conveying party(ies) attached? Yes X No. 3. Nature of conveyance/Execution Date(s):	Street Address: One Telcordia Drive 5G116	
Execution Date(s 11/21, 11/26, 11/21, 11/26, 11/21, 11/21, 11/26/0	7 	
	City: Piscataway	
Joint Research Agreement	State: New Jersey	
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: US Zip: 08854-4157	
Other	Additional name(s) & address(es) attached? Yes X No	
4. Application or patent number(s):	document is being filed together with a new application. B. Patent No.(s)	
13/323,317		
Additional numbers attached? Yes No		
5. Name and address to whom correspondence	6. Total number of applications and patents	
concerning document should be mailed: Name: Joseph D'Avanzo	involved: 1	
	7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00	
Internal Address: <u>Telcordia Technologies, Inc.</u>		
Street Address: One Telcordia Drive 5G116	Authorized to be charged to deposit account Enclosed None required (government Interest not affecting title)	
City: Piscataway	8. Payment Information	
State: New Jersey Zip: 08854-4157		
Phone Number: 732-699-3673	Deposit Associat Number 1995	
Fax Number: 732-336-3004	Deposit Account Number 021822	
Email Address: idavanzo@telcordia.com	Authorized User Name Joseph D'Avanzo	
9. Signature: Asell, Decomposition Signature	3/14/12 Date	
Joseph D'Avanzo Name of Person Signing	Total number of pages including cover sheet, attachments, and documents: 4	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT

REEL: 027882 FRAME: 0400

Atty. Docket: APP 1752

ASSIGNMENT OF APPLICATION

WHEREAS, I/wc, Ashutosh Dutta, Abhrajit Ghosh, Subir Das, Dana Chee, Fuchun Joseph Lin and Kyriakos Manousakis, Shih-Wei Li have invented certain useful improvements in "P-CSCF Fast Handoff for IMS/MMS Architecture" described in an application for Letters Patent; and

WHEREAS, I/we, hereby authorize and request my/our attorney to insert below the filing date and application number when they become known to comply with 37 CFR 3.21 for recordal of this assignment: U. S. Application No. 11/900,450 filed on September 11, 2007; and

WHEREAS, Telcordia Technologies, Inc., a corporation of the State of Delaware, having a place of business at One Telcordia Drive, Piscataway, NJ 08854-4157, United States of America, for the benefit of itself and its successors and assigns, all inclusively hereinafter referred to as "Assignee", is desirous of acquiring all rights, title, and interest in and to said application, all inventions disclosed therein, and any and all Letters Patent of the United States of America, and of all other countries, which may be granted for said inventions, or any of them; and

WHEREAS, I/we hereby represent and warrant to Assignce that I/we have, with respect to third parties, full and unencumbered rights, title, and interest in and to said application, inventions, and Letters Patent, and further that I/we may freely assign the same;

NOW, THEREFORE, for good and valuable consideration, the receipt of which from Assignee is hereby acknowledged, I/we do hereby sell, assign, and transfer to Assignee all my/our rights, title, and interest in and to said application, including all priority rights arising therefrom, all inventions disclosed therein, and all divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and of all other countries, and all reissues thereof, which may be granted for said inventions, or any of them, together with the right to make application for any and all of the same;

TO HAVE, HOLD, AND ENJOY said inventions, said application and rights, and said Letters Patent, or any of them, to its own use and behoof to the full end of the term or terms for which said applications may endure and for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment not been made;

AND I/WE HEREBY authorize and request the Commissioner of Patents and Trademarks to issue or reissue such Letters Patent as may be granted on said application, on any division or continuation thereof, or for said inventions, or any of them, to Assignee in accordance with the terms of this instrument;

AND I/WE HEREBY agree that I/we shall, at the request of Assignce and without demand of further consideration, but at no expense to me/us, do all lawful and just acts, including execution and acknowledgment of instruments, furnishing information, and giving testimony, particularly in the event of interference or litigation, indicated by counsel for Assignee to be necessary for obtaining, maintaining, and perfecting the property rights, or any of them, hereby assigned.

IN WITNESS WHEREOF, I/we hereunto set my/our hand on the day and year indicated.

Date: 11/21/207

PATENT

REEL: 027882 FRAME: 0401

Atty. Docket: APP 1752

MA ALLIANDS AND MEDICAL SCIENCE	y/out name on the day and year mercated.
Dhus.	Date: 11/26/2007
Abhrajit Ghosh	
IN WITNESS WHEREOF, I/we hereunto set m	y/our hand on the day and year indicated.
Subir Opes	Date: 11/21/07
Subir Das	-
THE STATE OF THE S	
IN WITNESS WHEREOF, I/we hereunto set m	y/our hand on the day and year indicated.
Dana Chen	Date: 11/26/17
Dana Chee	Dans
IN WITNESS WHEREOF, I/we hereunto set m	w/our hand on the day and year indicated
	•
Juhun Kin	Date: 11/2//2-00
Fuchun Joseph Lin	
IN WITNESS WHEREOF, I/we hereunto set m	y/our hand on the day and year indicated.
	. / /
Acetteur	Date: 11/21/2007
Kyriakos Manousakis	•

Atty. Docket: APP 1752

IN WITNESS WHEREOF, I/we herennto set my/our hand on the day and year indicated.

Shih-Wei Li

Date: 1/01 26 200

PATENT REEL: 027882 FRAME: 0403