

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3545480

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JIYONG PANG	08/25/2015
QI JIANG	08/25/2015
GANG SHEN	08/25/2015
DONGYAO WANG	08/25/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ALCATEL LUCENT
<b>Street Address:</b>	148/152 ROUTE DE LA REINE
<b>City:</b>	BOULOGNE BILLANCOURT
<b>State/Country:</b>	FRANCE
<b>Postal Code:</b>	92100
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14780809
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(216)363-9001
<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>	216.363.9000
<b>Email:</b>	rgiuliani@faysharpe.com
<b>Correspondent Name:</b>	FAY SHARPE/LUCENT
<b>Address Line 1:</b>	1228 EUCLID AVENUE, 5TH FLOOR
<b>Address Line 2:</b>	THE HALLE BUILDING
<b>Address Line 4:</b>	CLEVELAND, OHIO 44115-1843
<b>ATTORNEY DOCKET NUMBER:</b>	LUTZ 202062US01
<b>NAME OF SUBMITTER:</b>	JOSEPH D. DREHER
<b>SIGNATURE:</b>	/Joseph D. Dreher/
<b>DATE SIGNED:</b>	09/28/2015
<b>Total Attachments: 2</b>	
source=assignment#page1.tif	
source=assignment#page2.tif	

# ASSIGNMENT

812399-US-PCT

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

Method, Apparatus, and System for Biasing Adjustment of Cell Range Expansion

for which Assignor is about to make or has made United States or International application for patent

- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ☐ executed on \_\_\_\_\_, or
- (c) ☒ filed on March 26, 2014, and assigned Serial No. or PCT International Application No. PCT/IB2014/000572; and

WHEREAS, Alcatel Lucent, 148/152 route de la Reine, 92100 Boulogne-Billancourt, FRANCE, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor agrees to, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the invention as described in the aforesaid application and all United States Letters Patent which may be granted therefore, and all divisions, continuations, reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

The undersigned hereby grant(s) the law firm of Fay Sharpe, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

## ASSIGNMENT

812399-US-PCT

Inventor: Jiyong PANG

Signature: Jiyong PANG Date: 2015.8.25

Inventor: Qi JIANG

Signature: Qi Jiang Date: 2015.8.25

Inventor: Gang SHEN

Signature: Gang Shen Date: 2015.8.25

Inventor: Dongyao WANG

Signature: Dongyao Wang Date: 2015.8.25