#### PATENT ASSIGNMENT

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SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY DATA						
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Alcatel-Lucent USA Inc.				08/03/2011		
RECEIVING PARTY DATA						
Name:						
Street Address:	Alcatel Lucent 3, avenue Octave Greard					
City:	Paris					
State/Country:	FRANCE					
Postal Code:	75007					
PROPERTY NUMBERS Total: 1						
Property Type			Number			
Application Number. 137669		137669	998			
CORRESPONDENCE DATA						
Fax Number:7036688200Correspondence will be sent via US Mail when the fax attempt is unsuccessful.Email:dcmailroom@hdp.comCorrespondent Name:Harness, Dickey & Pierce, P.L.C.Address Line 1:11730 Plaza America DriveAddress Line 2:Suite 600Address Line 4:Reston, VIRGINIA 20190						
ATTORNEY DOCKET NUMBER:			29250-002464/US/COA			
NAME OF SUBMITTER:			Gary D. Yacura			
Signature:			/Gary D. Yacura/			
Date:			09/30/2013			
Total Attachments: 4 source=2013_09_30_assignment#page1.tif source=2013_09_30_assignment#page2.tif source=2013_09_30_assignment#page3.tif source=2013_09_30_assignment#page4.tif						

#### ASSIGNMENT

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **Alcatel-Lucent USA Inc.**, a corporation established and existing under the laws of the United States of America and having its principal place of business at 600-700 Mountain Avenue, Murray Hill, New Jersey 07974-0636, United States of America ("Assignor") does hereby sell, assign, transfer and convey, subject to any existing rights, licenses and/or obligations of or to third parties, unto **Alcatel Lucent**, a corporation established and existing under the laws of France and having its principal place of business at 3, avenue Octave Gréard, 75007 PARIS, France ("Assignee"), all of Assignor's right, title and interest, for all countries, jurisdictions and political entities of the world, in and to any and all of the following (collectively, "Rights"):

- (a) The invention or inventions (collectively, "Inventions") identified in APPENDIX A and all the Intellectual Property rights and privileges under any and all forms of protection, including those enumerated below;
- (b) The patent application(s) filed with respect to said Inventions, as identified in APPENDIX A, and Patent applications or other applications that may be filed for protection including, without limitation, applications for certificates of invention, utility models, industrial design protection, design patent protection, and provisional patent applications wherever filed, with respect to the Inventions, (collectively, "Applications") including all rights to file and prosecute such Applications directly in the name of Assignee;
- (c) All patents including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, that may be granted, registered, or issued with respect to the Inventions or the Applications (collectively, "Patents") including, but not limited to, any already granted patents identified in **APPENDIX A**;
- (d) All patents and patent applications for which any of these Applications or Patents directly or indirectly form a basis for priority;

PATENT REEL: 031308 FRAME: 0260

- (e) All reissues, requests for continuing examinations, re-examinations, extensions, continuations, continuations in part, continuing prosecution applications, divisions, or registrations of, any item in any of the any of the foregoing categories (b), (c) or (d);
- (f) The right to claim priority rights deriving or arising from any of the foregoing categories (b), (c), (d) or (e) and for Assignee to otherwise avail itself of the provisions of the international conventions governing the protection of inventions;
- (g) All causes of action and enforcement rights related to any of the foregoing categories (a), (b), (c), (d) or (e) (including, without limitation, the right to sue and to pursue damages, injunctive relief, or other remedies for past, present, or future infringement, misappropriation, or violation of rights related thereto);
- (h) All rights to license and to collect royalties and other payments under or on account of any of the foregoing categories (a), (b), (c), (d) or (e); and
- (i) Any and all other rights and interests arising out of, in connection with, or in relation to any of the foregoing categories (a), (b), (c), (d) or (e),

with respect to which, and to the extent to which, Assignor had or has acquired the right to so sell, assign, convey, transfer and deliver.

Assignor requests the respective patent office or governmental agency in each jurisdiction to grant or issue any and all letters patents, certificates of invention, utility models or other governmental or inter-governmental grants or issuances that may be granted upon any of the Rights in the name of the Assignee, as the Assignee to the entire interest therein.

The terms and conditions of this Assignment will inure to the benefit of Assignee, its successors or assigns, and anyone properly designated by them and will be binding upon Assignor, its successors or assigns, and anyone properly designated by them.

**IN WITNESS WHEREOF**, each of the Parties has caused this Assignment to be executed in duplicate originals by its duly authorized representatives on the respective dates entered below.

#### ASSIGNOR:

ASSIGNEE:

**ALCATEL LUCENT** 

### Alcatel-Lucent USA Inc.

By: John 11/k

Name: John F. McCabe

Jugn Ah, 40 By: \_ Name: Gregory J. Murgia

Title: Senior IP Counsel & Cluster Lead

Date: <u>Aug. 3, 2011</u>

Title: Senior Director, Americas Patent Creation & Senior IP Corporate Counsel

Date: <u>3 1+ug 2011</u>

Our Case Ref.	US Serial No.	WO Serial No.
804040-US-NP	12/630210	PCT/US2010/057761
805010-US-NP	12/591653	PCT/US2010/056925
805064-US-NP	12/636971	PCT/US2010/058255
805067-US-NP	12/611187	PCT/US2010/055209
805181-US-NP	12/640975	PCT/US2010/057710
805254-US-NP	12/654019	PCT/US2010/056941
805270-US-NP	12/592445	PCT/US2010/055761
805389-US-NP	12/650752	PCT/US2010/057703
805402-US-NP	12/592793	PCT/US2010/056642
805441-US-NP	12/642380	PCT/US2010/057711
805477-US-NP	12/592907	PCT/US2010/057769
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805547-US-NP	12/638462	PCT/US2010/057741
805687-US-NP	12/641874	PCT/US2010/057570
805775-US-NP	12/636887	PCT/US2010/058513
805806-US-NP	12/613578	PCT/US2010/053470
805912-US-NP	12/640151	PCT/US2010/060659
805937-US-NP	12/641601	PCT/US2010/058291
805955-US-NP	12/635265	PCT/US2010/058686
806001-US-NP	12/640833	PCT/US2010/058492
806133-US-NP	12/953975	PCT/US2010/059020
806161-US-NP	12/622997	PCT/US2010/056826
806192-US-NP	12/641884	PCT/US2010/059096
806242-US-NP	12/655531	PCT/US2010/061964
806267-US-NP	12/702722	PCT/US2010/055776
806268-US-NP	12/793213	PCT/US2010/055782
806269-US-NP	12/938486	PCT/US2010/056106
806270-US-NP	12/612704	PCT/US2010/055058
806336-US-NP	12/641429	PCT/US2010/057706
806352-US-NP	12/884548	PCT/US2010/055029
806416-US-NP	12/641821	PCT/US2010/058476
806580-US-NP	12/654389	PCT/US2010/058267
806584-US-NP	12/633429	PCT/US2010/057971
806623-US-NP	12/642314	PCT/US2010/058257
806723-US-NP	12/751442	PCT/US2010/061702
Bi 63-3-27-9-51-8 (Q)-US-NP	12/654028	PCT/US2010/058252
Chu 19-43 (TP)-US-NP	12/640072	PCT/US2010/058490
De Lind Van Wijngaarden 30-3 (AJ)-US-NP	12/612674	PCT/US2010/055391
Matthews 32 (KN)-US-NP	12/636967	PCT/US2010/057948
Miller 1 (RB)-US-NP	12/640117	PCT/US2010/057556

# APPENDIX A