502882826 07/08/2014

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| LONG L. CHEN | 03/21/2011 |
| CHRISTOPHER R. DOERR | 03/21/2011 |
| NICOLAS DUPUIS | 03/21/2011 |

RECEIVING PARTY DATA

| Name: | ALCATEL-LUCENT USA, INC. |
|-----------------|--------------------------|
| Street Address: | 600-700 MOUNTAIN AVENUE |
| City: | MURRAY HILL |
| State/Country: | NEW JERSEY |
| Postal Code: | 07974 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14269673 |

CORRESPONDENCE DATA

Fax Number: (972)480-8865

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.

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Email: docket@hittgaines.com

Correspondent Name: HITT GAINES, PC ALCATEL-LUCENT

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| ATTORNEY DOCKET NUMBER: | 809322[1]-US-DIV |
|-------------------------|---------------------|
| NAME OF SUBMITTER: | RONALD J. CORBETT |
| SIGNATURE: | /Ronald J. Corbett/ |
| DATE SIGNED: | 07/08/2014 |

Total Attachments: 4

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PATENT 502882826 REEL: 033262 FRAME: 0106

DOCKET NO: 809322-US-NP PATENT

ASSIGNMENT

For value received, we Long L. Chen a citizen of Peoples Republic of China in the County of Middlesex and the State of NJ and Christopher R. Doerr a citizen of USA in the County of Monmouth and the State of NJ and Nicolas Dupuis a citizen of French in the County of New York and the State of New York, hereby sell, assign and transfer to Alcatel-Lucent USA, Inc., a corporation of DE, having an office at 600-700 Mountain Avenue, Murray Hill, NJ 07974, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, in and to certain inventions related to "A TUNABLE OPTICAL FREQUENCY COMB GENERATOR" described in an application for Letters Patent of the United States, Application Number: 13/043,145 and Filing Date: March 8, 2011, 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 we also concurrently hereby sell, assign and transfer to Alcatel-Lucent USA, Inc. 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.

We authorize Alcatel-Lucent USA, Inc. to make application for such protection in its own name and maintain such protection in any and all foreign countries 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 us, any and all benefits, including the right of priority provided by any and all treaties, conventions or agreements.

We hereby consent 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 Alcatel-Lucent USA, Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Alcatel-Lucent USA, Inc. in the United States and in all countries foreign to the United States, or to such nominees as Alcatel-Lucent USA, Inc. may designate.

We agree that, when requested, I shall, without charge to Alcatel-Lucent USA, Inc. 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.

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|-------------|---------------|--------------|------------|
| | | Long L. Chen | |
| | | § | |
| State of NJ | | § | |
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| On this | iown to be tl | | the same. |
| | | My Commissi | on Expires |
| | | | |

Alcatel-Lucent USA, Inc. 600-700 Mountain Avenue Murray Hill, NJ 07974 Christopher R. Doerr

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State of NJ

State of NJ

Agrah, 2011, before me personally came Christopher R. Doerr, to me known to be the individual described herein and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Alcatel-Lucent USA, Inc. 600-700 Mountain Avenue Murray Hill, NJ 07974 Patricia A Tier Notary Public New Jersey My Commission Expires 8/28/2012

My Commission Expires

| | Nicolas Dupuis | |
|--|--------------------------------|------------------|
| | § / | |
| State of New York | § | |
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| who executed the foregoing instrument, and | acknowledged execution of the | ie same. |
| | (John can | $\alpha \lambda$ |

My Commission Expires

Notary Public

Alcatel-Lucent USA, Inc. 600-700 Mountain Avenue Murray Hill, NJ 07974 Patricia A Tier Notary Public New Jersey My Commission Expires 8/28/2012

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