

## PATENT ASSIGNMENT COVER SHEET

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|   |                            |
|---|----------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT             |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                 |
| <b>CONVEYING PARTY DATA</b>   |                            |
| <b>Name</b>   | <b>Execution Date</b>      |
| BELCAN HOLDINGS LTD.  | 04/28/2015                 |
| <b>RECEIVING PARTY DATA</b>   |                            |
| <b>Name:</b>  | CARLETON CONSULTANCY INC.  |
| <b>Street Address:</b>  | 303 AARTI CHAMBERS         |
| <b>City:</b>  | VICTORIA, MAHE             |
| <b>State/Country:</b>   | SEYCHELLES                 |
| <b>PROPERTY NUMBERS Total: 10</b>   |                            |
| <b>Property Type</b>  | <b>Number</b>              |
| Patent Number:  | 7680943                    |
| Patent Number:  | 7672315                    |
| Patent Number:  | 7649843                    |
| Patent Number:  | 7177328                    |
| Patent Number:  | 7031256                    |
| Patent Number:  | 8024436                    |
| Patent Number:  | 7720943                    |
| Patent Number:  | 7106968                    |
| Application Number:   | 60591310                   |
| Application Number:   | 60303070                   |
| <b>CORRESPONDENCE DATA</b>  |                            |
| <b>Fax Number:</b>  |                            |
| <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> |                            |
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| <b>Correspondent Name:</b>  | CARLETON CONSULTANCY INC.  |
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| <b>Address Line 4:</b>  | VICTORIA, MAHE, SEYCHELLES |
| <b>NAME OF SUBMITTER:</b>   | MANDY YU                   |
| <b>SIGNATURE:</b>   | /Mandy Yu/                 |
| <b>DATE SIGNED:</b>   | 05/06/2015                 |

**Total Attachments: 5**

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## ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Belcan Holdings Ltd., a Seychelles company, having an office at 303 Aarti Chambers, Victoria, Mahe, Republic of Seychelles ("**Assignor**"), does hereby sell, assign, transfer, and convey unto Carleton Consultancy Inc., a Seychelles company, having an office at 303 Aarti Chambers, Victoria, Mahe, Republic of Seychelles ("**Assignee**"), all right, title, and interest that exist today and may exist in the future in and to all of the following (collectively, the "**Patent Rights**"), including:

(a) the provisional patent applications, patent applications and patents listed in the **Attachment** hereto ("**Listed Patents**"),

(b) all patents or patent applications (i) to which any of the foregoing directly or indirectly claim priority, and (ii) for which any of the foregoing directly or indirectly forms a basis for priority, and (iii) that are reissues, reexaminations, other post-grant review, extensions, continuations, continuing prosecution applications, requests for continuing examinations, divisions, and registrations of any of the foregoing, and/or (iv) that are foreign patents, patent applications and counterparts to any of the foregoing, including certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances and (v) any of the foregoing in (i)-(iv) whether or not expressly listed as Listed Patents below and whether or not abandoned, rejected, or the like;

(c) inventions, invention disclosures, and discoveries described in any of the Listed Patents and/or any of the foregoing category (b) to the extent that any such inventions, invention disclosures, and discoveries (i) are included in any claim in the Listed Patents and/or any of the foregoing category (b), (ii) are subject matter capable of being reduced to a patent claim in any reissue, reexamination proceedings, or other post-grant review, brought on any of the Listed Patents and/or any of the foregoing category (b), and/or (iii) could have been and/or could be included as a claim in any continuations, continuing prosecution applications, requests for continuing examinations divisions and/or registration of the Listed Patents and/or any of the foregoing category (b);

(d) rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections or other governmental grants or issuances of any type related to the any of the foregoing categories (a), (b) and/or (c), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement or understanding;

(e) causes of action (whether currently pending, filed, or otherwise) and other enforcement rights, including, without limitation, all rights under the Listed Patents and/or under or on account of any of the foregoing categories (b), (c) and/or (d) to

- (i) damages,
- (ii) injunctive relief and
- (iii) other remedies of any kind

for past, current and future infringement; and


(f) all rights to collect royalties and other payments under or on account of any of the Listed Patents or any of the foregoing categories (b) through (e).

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

The terms and conditions of this Assignment of Patent Rights will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Singapore on this 28<sup>th</sup> day of April, 2015.

ASSIGNOR  
Belcan Holdings Ltd.

By: 

Name: Guy L. Proulx

Title: Managing Director  
(Signature MUST be attested)

**ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. §1746**

The undersigned witnessed the signature of Guy L. Proulx to the above Assignment of Patent Rights on behalf of Belcan Holdings Ltd. and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. Guy L. Proulx is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on April 28, 2015 to execute the above Assignment of Patent Rights on behalf of Belcan Holdings Ltd.
3. Guy L. Proulx subscribed to the above Assignment of Patent Rights on behalf of Belcan Holdings Ltd.

I declare under penalty of perjury under the laws of the United States of America that the statements made in the three (3) numbered paragraphs immediately above are true and correct.

EXECUTED on April 28, 2015

By: 

Print Name: Jaro Chua

## Attachment

### Listed Patents

| Patent Number | Application Number | Title   | Country | Filing Date |
|---------------|--------------------|---|---------|-------------|
| 7,680,943     | 10/691,109         | Methods and apparatus for implementing multiple types of network tunneling in a uniform manner                    | US      | 2003/10/20  |
|               | PCT/US2004/034621  | Methods and apparatus for implementing multiple types of network tunneling in a uniform manner                    | PCT     | 2004/10/20  |
|               | 200680030559.2     | Methods and apparatus for deskewing VCAT/LCAS members   | CN      | 2006/08/21  |
|               | 06801899.3         | Methods and apparatus for deskewing VCAT/LCAS members   | EP      | 2006/08/21  |
|               | PCT/US2006/032430  | Methods and apparatus for deskewing VCAT/LCAS members   | PCT     | 2006/08/21  |
| 7,672,315     | 11/210,127         | Methods and apparatus for deskewing VCAT/LCAS members   | US      | 2005/08/23  |
|               | 05712822.5         | Methods and apparatus for controlling the flow of multiple signal sources over a single full duplex Ethernet link | EP      | 2005/01/28  |
|               | 200580004245.0     | Methods and apparatus for controlling the flow of multiple signal sources over a single full duplex Ethernet link | CN      | 2005/01/28  |
| 7,649,843     | 10/775,013         | Methods and apparatus for controlling the flow of multiple signal sources over a single full duplex Ethernet link | US      | 2004/02/09  |
|               | PCT/US2005/003513  | Methods and apparatus for controlling the flow of multiple signal sources over a single full duplex Ethernet link | PCT     | 2005/01/28  |
| 7,177,328     | 10/306,232         | Cross-connect switch for synchronous network  | US      | 2002/11/27  |
|               | PCT/US2003/037159  | Cross-connect switch for synchronous network  | PCT     | 2003/11/21  |
|               | 05705780.4         | Methods and apparatus for implementing LCAS (link capacity adjustment scheme)                                     | EP      | 2005/01/18  |

| Patent Number | Application Number | Title  | Country | Filing Date |
|---------------|--------------------|--|---------|-------------|
|               |                    | sinking with rate based flow control   |         |             |
|               | 200580008602.0     | Methods and apparatus for implementing link capacity adjustment scheme sinking with rate based flow control        | CN      | 2005/01/18  |
| 7,031,256     | 10/760,510         | Methods and apparatus for implementing LCAS (link capacity adjustment scheme) sinking with rate based flow control | US      | 2004/01/20  |
|               | PCT/US2005/001360  | Methods and apparatus for implementing LCAS (link capacity adjustment scheme) sinking with rate based flow control | PCT     | 2005/01/18  |
| 4912302       | 2007-523738        | Communication device for obtaining an application image or configuration from a service provider                   | JP      | 2005/07/26  |
|               | 05782562.2         | Communication device for obtaining an application image or configuration from a service provider                   | EP      | 2005/07/26  |
| 8,024,436     | 12/754,734         | Communication Device for Obtaining an Application Image or Configuration from a Service Provider                   | US      | 2010/04/06  |
|               | 60/591,310         | Flashless DSL CPE modem  | US      | 2004/07/26  |
|               | PCT/US2005/026523  | Communication device for obtaining an application image or configuration from a service provider                   | PCT     | 2005/07/26  |
| 7,720,943     | 11/190,085         | Communication device for obtaining an application image or configuration from a service provider                   | US      | 2005/07/25  |
| 7,106,968     | 10/189,560         | Combined SONET/SDH and OTN architecture  | US      | 2002/07/08  |
|               | 60/303,070         | Combined SONET/SDH and OTN architecture  | US      | 2001/07/06  |