

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5736679

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HAILUN HUANG	06/25/2015
HAKI SHARIFI	03/03/2015
CHRIS SNYDER	03/10/2015
PETER SANTOS	06/22/2015
THEODORE TSE	03/05/2015
RECEIVING PARTY DATA	
Name:	BCE INC.
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Internal Address:	TOUR A-7
City:	OTTAWA
State/Country:	CANADA
Postal Code:	H3E 3B3
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14751917
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NAME OF SUBMITTER:	JOHN HARRIS
SIGNATURE:	/john harris/
DATE SIGNED:	09/25/2019
Total Attachments: 6	

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ASSIGNMENT

Whereas **Hailun HUANG, Haki SHARIFI, Chris SNYDER, Peter SANTOS and Theodore TSE** (hereinafter “the Assignors”), whose full post office addresses are **339 Pomona Avenue, Burlington, Ontario L7N 1T4, Canada; 4420 Lee Drive, Mississauga, Ontario L4W 4A8, Canada; 623 Manning Avenue, Toronto, Ontario M6G 2W2, Canada; 706 Vellore Park Avenue, Woodbridge, Ontario L4H 0K5, Canada and 207 Queen’s Quay, 6th floor, Toronto, Ontario M5J 1A7, Canada**, respectively, have made one or more inventions which are the subject of **U.S. Patent Application No. 62/018,065** filed on **June 27, 2014**, entitled **Providing Content to a Portable Device Across Multiple Network Connections** (hereinafter “the Patent Application”);

Whereas **BCE Inc.** (hereinafter “the Assignee”), whose full post office address is **1 Carrefour Alexander-Graham-Bell, Tour A7, Verdun, Quebec H3E 3B3, Canada**, is desirous of acquiring the whole right, title and interest in and to the Patent Applications, and the invention or inventions described therein;

Now therefore, in consideration of ten dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignors hereby sell, assign and transfer to the Assignee, all their right, title and interest, in the United States, Canada and all other countries and jurisdictions throughout the world, in and to the Patent Application, and the invention or inventions described therein, and all divisions and continuations thereof, including their corresponding right to claim priority from the Patent Application in any country or jurisdiction, including their right to make national entries under the Patent Cooperation Treaty, including all their corresponding right, title and interest in and to any Patents which may issue therefrom, including all reissues, renewals and extensions thereof, and including all right to sue for past infringement thereunder, all the said Patents to be held and enjoyed by the Assignee to the full end of the term for which the said Patents are granted, as fully and entirely as the said Patents could have been held and enjoyed by the said Assignors if this Assignment had not been made;

And the Assignors hereby covenant and agree, without further consideration, to communicate with Assignee, its successors and assigns, any facts known respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in Canada, the United States and all other

countries and jurisdictions throughout the world, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

And the Assignors hereby covenant that they have the full right to convey the interest assigned by this Assignment, and have not executed and will not execute any agreement in conflict with this Assignment;

And the Assignors and the Assignee hereby authorize the firm of Gowling Lafleur Henderson LLP, whose full post office address is 160 Elgin Street, Suite 2600, Ottawa, Ontario K1P 1C3, Canada, to correct errors in this Assignment, or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any Patent Office.

SIGNED at Burlington, Canada, this 25th day of June, 2015.
 (City/Town) (Country) (Date) (Month) (Year)

Hailun HUANG

[Signature]
 (Signature of Witness)

HUNG TRAN
 (Name of Witness: Please Print or Type)

[Signature]
 (Signature of Assignor)

SIGNED at Mississauga, Canada, this 3 day of March, 2015.
 (City/Town) (Country) (Date) (Month) (Year)

Haki SHARIFI

[Signature]
 (Signature of Witness)

Kishor Pillai
 (Name of Witness: Please Print or Type)

[Signature]
 (Signature of Assignor)

SIGNED at Toronto, Canada, this 10 day of March, 2015.^{4/4}
(City/Town) (Country) (Date) (Month) (Year)

x Wilson Lee
(Signature of Witness)

Chris SNYDER

Wilson Lee
(Name of Witness: Please Print or Type)

[Signature]
(Signature of Assignor)

SIGNED at _____, _____, this _____ day of _____, _____.
(City/Town) (Country) (Date) (Month) (Year)

Peter SANTOS

(Signature of Witness)

(Name of Witness: Please Print or Type)

(Signature of Assignor)

SIGNED at _____, _____, this _____ day of _____, _____.
(City/Town) (Country) (Date) (Month) (Year)

Theodore TSE

(Signature of Witness)

(Name of Witness: Please Print or Type)

(Signature of Assignor)

SIGNED at _____, _____, this _____ day of _____, _____.
(City/Town) (Country) (Date) (Month) (Year)

Chris SNYDER

(Signature of Witness)

(Name of Witness: Please Print or Type)

(Signature of Assignor)

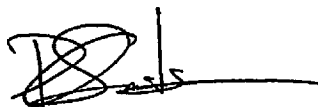
SIGNED at TORONTO, CANADA, this 22 day of JUNE, 2015.
(City/Town) (Country) (Date) (Month) (Year)



(Signature of Witness)

KIMBERLY TACK
(Name of Witness: Please Print or Type)

Peter SANTOS



(Signature of Assignor)

SIGNED at _____, _____, this _____ day of _____, _____.
(City/Town) (Country) (Date) (Month) (Year)

Theodore TSE

(Signature of Witness)

(Name of Witness: Please Print or Type)

(Signature of Assignor)

SIGNED at _____, _____, this _____ day of _____, _____.
(City/Town) (Country) (Date) (Month) (Year)

Chris SNYDER

(Signature of Witness)

(Name of Witness: Please Print or Type)

(Signature of Assignor)

SIGNED at _____, _____, this _____ day of _____, _____.
(City/Town) (Country) (Date) (Month) (Year)

Peter SANTOS

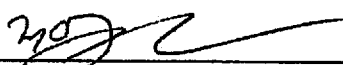
(Signature of Witness)

(Name of Witness: Please Print or Type)

(Signature of Assignor)

SIGNED at MISSISSAUGA, CANADA, this 5 day of MARCH, 2015.
(City/Town) (Country) (Date) (Month) (Year)

Theodore TSE



(Signature of Witness)

M. A. (Tony) James

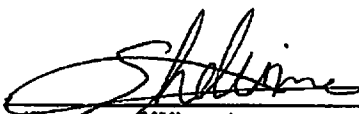
(Name of Witness: Please Print or Type)



(Signature of Assignor)

The undersigned Assignee hereby accepts this Assignment.

SIGNED at Verdun, Canada, this 29 day of March, 2017.
(City/Town) (Country) (Date) (Month) (Year)


(Signature of Witness)

Shelina Daya
(Name of Witness: Please Print or Type)

BCE Inc.


(Signature of Authorized Signing Officer)

Michel Lalande
(Name of Authorized Signing Officer: Please Print or Type)

SVP, Gen. Counsel, Corp Sec. BCE + BELL
(Title of Authorized Signing Officer: Please Print or Type)