503572910 11/17/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3619537

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GREGORY ARTHUR ALLEN	06/18/2014
TUDOR MOROSAN	06/18/2014

RECEIVING PARTY DATA

Name:	TSX INC.	
Street Address:	C/O PLUS ONE INC., 77 ADELAIDE STREET	
Internal Address:	FIRST CANADIAN PLACE	
City:	TORONTO	
State/Country:	CANADA	
Postal Code:	M5X 1A4	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14891809

CORRESPONDENCE DATA

Fax Number: (416)920-1350

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.

Email: fernando@pckip.com

Correspondent Name: PERRY + CURRIER INC. **Address Line 1:** 1300 YONGE STREET

Address Line 2: SUITE 500

Address Line 4: TORONTO, CANADA M4T 1X3

ATTORNEY DOCKET NUMBER:	P3613US01
NAME OF SUBMITTER:	INDRA FERNANDO
SIGNATURE:	/Indra Fernando/
DATE SIGNED:	11/17/2015

Total Attachments: 4

source=Worldwide Assignment_ALLEN & MOROSAN#page1.tif source=Worldwide Assignment_ALLEN & MOROSAN#page2.tif source=Worldwide Assignment_ALLEN & MOROSAN#page3.tif source=Worldwide Assignment_ALLEN & MOROSAN#page4.tif

PATENT 503572910 REEL: 037061 FRAME: 0161

WORLD-WIDE PATENT ASSIGNMENT

FROM

Gregory Arthur Allen and Tudor Morosan

Assignor(s)

TO

TSX Inc.

Assignee(s)

1. DEFINITIONS

a) "Assignors" mean:

Gregory Arthur Allen, an individual having an address at c/o Plus One Inc., First Canadian Place, 77 Adelaide Street, Toronto, Ontario M5X 1A4; and Tudor Morosan, an individual having an address at c/o Plus One Inc., First Canadian Place, 77 Adelaide Street, Toronto, Ontario M5X 1A4

Where the foregoing list only includes one individual, corporation or other entity, then the term "Assignors" as used herein shall be construed in the singular form "Assignor".

- b) "Assignee" means: **TSX Inc.** a corporation having a place of business at an individual having an address at c/o Plus One Inc., First Canadian Place, 77 Adelaide Street, Toronto, Ontario M5X 1A4 including its successors and assigns.
- c) "Invention" means an invention made by the Assignors and entitled, LOW LATENCY REMOTE DIRECT MEMORY ACCESS USING MESSAGE BUFFER and having application No. 61/834,615, filed June 13, 2013.
- d) "Rights to the Invention" means, without limitation, all rights, titles, interests and claims of any nature in and to:

i)the Invention for Canada, the United States of America and all other foreign jurisdictions;

ii)all Patent Applications for the Invention for Canada, the United States of America and all other foreign jurisdictions ("Patent Applications");

iii)all Letters Patent that may be obtained for the Patent Applications ("Issued Patents");

iv)all continuations, continuations-in-part, re-examinations, reissues, requests for continued examination (RCE) and divisions of the Patent Applications and/or Issued Patents; and,

v)the right to claim priority under International Convention and/or Treaties for the Patent Applications and/or Issued Patents.

2. BACKGROUND

- a) The Assignee wishes to acquire the Rights to the Invention from the Assignors.
- b) Each of the parties agrees to be bound by the provisions of this Assignment.
- c) This Assignment replaces and supersedes any prior Assignments, whether oral or in writing, made between the parties, or any of them.

Page 1 of 4
WORLD-WIDE PATENT ASSIGNMENT

PATENT REEL: 037061 FRAME: 0162

3. THE INVENTION

- a) In addition to other good and valuable consideration, Assignee paid in hand the sum of one dollar (\$1.00) to Assignors for the Rights to the Invention.
- b) Assignors hereby acknowledge the receipt and sufficiency of the consideration received from the Assignee.
- c) Assignors hereby sell, assign and transfer to the Assignee, its successors and assigns, the Assignors' Rights to the Invention.
- d) Assignors hereby authorize and request the Commissioner of Patents for Canada to issue Canadian Letters Patent for the Invention to the Assignee, for Assignee's sole use and benefit, to the full end of the term for which Canadian Letters Patent may be granted, as fully and entirely as the same would have been held by the Assignors had this Assignment not been made.
- e) Assignors hereby authorize and request the Commissioner of Patents (or the equivalent) for such other jurisdictions where Assignee files applications for the invention, to issue Letters Patent in that jurisdiction for the Invention to the Assignee, for the Assignee's sole use and benefit, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by the Assignors had this Assignment not been made.
- f) Assignors hereby undertake without liability at any time upon request to do everything legally possible to assist the Assignee in the filing and prosecution of any patent application relating to the Invention in any jurisdiction, to sign such documents and do such things as may be required to give effective legal and registered title of the Assignee to the Invention in any jurisdiction, all without further consideration but at the expense of the Assignee.

4. APPLICABLE LAW AND INTERPRETATION

- a) This Assignment is governed and is to be construed and enforced in accordance with the internal laws of the Province of Ontario, without reference to its conflicts of laws principles.
- b) The invalidity or unenforceability of any provision of this Assignment will not affect the validity or enforceability of any other provision and the Assignment will be construed as if such invalid provision were omitted.
- c) The parties agree that there are no representations, warranties, collateral Assignments or conditions affecting this Assignment other than as expressed in this Assignment.
- d) The provisions of this Assignment are for the benefit of and are binding on the parties and their respective heirs, executors, administrators and assigns.

Page 2 of 4
WORLD-WIDE PATENT ASSIGNMENT

PATENT REEL: 037061 FRAME: 0163

STATEMENT BY WITNESS	SIGNATURE OF ASSIGNOR
Signed in the presence of:	
Michelle Kisluk	01/Den
Having a Full Postal Address of:	[Gregory Arthur Allen]
1403-12 Subbury St	
Tormto on M65 347	
I hereby declare that I was personally present and	June 18 2014
did see Gregory Arthur Allen who is personally	June 18, 2014
known to me to be the person named in the assignment herein, duly sign and execute	Date of Execution
the same.	Date of Excoditori
Michilla Li	
Witness Signature	

Page 3 of 4
WORLD-WIDE PATENT ASSIGNMENT

PATENT REEL: 037061 FRAME: 0164

STATEMENT BY WITNESS Signed in the presence of:	SIGNATURE OF ASSIGNOR
Michalla Kisluk	Treducer
Having a Full Postal Address of:	[Tudor Morosan]
1403-12 Sudbury St.	
To row か かんて えいう I hereby declare that I was personally present and	
	JUN. 18:2014
did see Tudor Morosan who is personally known	000, 10,000, 1
to me to be the person named in the	
assignment herein, duly sign and execute	Date of Execution
the same.	
Witness Signature	

Page 4 of 4
WORLD-WIDE PATENT ASSIGNMENT

PATENT REEL: 037061 FRAME: 0165

RECORDED: 11/17/2015