

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Sandvine Incorporated ULC	03/07/2013
Mr Don Bowman	03/07/2013
RECEIVING PARTY DATA	
Name:	Comcast Cable Communications, LLC
Street Address:	1701 John F Kennedy Boulevard
City:	Philadelphia
State/Country:	PENNSYLVANIA
Postal Code:	19103-2838
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	13355869
Application Number:	12346162
Patent Number:	8144594
CORRESPONDENCE DATA	
Fax Number:	2152868508
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Correspondent Name:	Jane D Roberts
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Address Line 2:	One Comcast Center
Address Line 4:	Philadelphia, PENNSYLVANIA 19103-2838
NAME OF SUBMITTER:	Peter Veytsman
Total Attachments: 3 source=Assignment Sandvine-CCCL#page1.tif source=Assignment Sandvine-CCCL#page2.tif source=Assignment Sandvine-CCCL#page3.tif	

OP \$120.00 13355869

PATENT ASSIGNMENT

WHEREAS, Comcast Cable Communications, LLC, a Delaware limited liability company, with offices at One Comcast Center, 1701 John F. Kennedy Boulevard, Philadelphia, Pennsylvania 19103-2838 ("ASSIGNEE"), desires to obtain any and all of ASSIGNORS' rights, title and interests of every kind and character throughout the world, legal, beneficial and otherwise, that ASSIGNORS individually and collectively have now or in the future or are deemed to have now or in the future in, to and under certain patents and patent applications, as set forth in Attachment 1 hereto and fully incorporated herein by this reference ("PATENTS"), if any;

WHEREAS, Sandvine Incorporated ULC, an Alberta unlimited liability corporation having a place of business at 408 Albert Street, Waterloo, Ontario N2L 3V3, Canada and Don Bowman, a natural person and Chief Technology Officer of Sandvine residing at 197 Mohawk Street, Waterloo, Ontario, Canada (collectively and individually "ASSIGNORS") desire to irrevocably transfer to ASSIGNEE any and all of ASSIGNORS' rights, title and interests of every kind and character throughout the world, legal, beneficial and otherwise, that ASSIGNORS individually and collectively have now or in the future or are deemed to have now or in the future, if any;

NOW, THEREFORE, in consideration of the good and valuable consideration provided by ASSIGNEE to ASSIGNORS, the receipt and sufficiency of which is mutually acknowledged, ASSIGNORS, on behalf of themselves, their Affiliates, and their respective predecessors, successors and transferees in interest, each do hereby irrevocably assign, convey, sell, grant and transfer and agree to assign, convey, sell, grant and transfer to ASSIGNEE any and all of their rights, title and interests of every kind and character throughout the world, legal, beneficial and otherwise, they individually and collectively have now or in the future or are deemed to have now or in the future in, to and under the Patents to the full extent of their ownership, rights, title and interests therein, if any, including without limitation (1) all domestic and foreign patent applications and registrations therefor (and all patents that issue therefrom) and all divisions, continuations, continuations-in-part, reexaminations, substitutions, reissues, extensions and renewals of such applications, registrations and patents, and the right to apply for any of the foregoing, (2) all rights to causes of action and remedies related thereto (including without limitation the right to sue for past, present or future infringement, misappropriation or violation of rights related to the foregoing and to retain any damages and profits due or accrued in relation thereto), and (3) any and all other ownership rights and interests arising out of, in connection with or in relation to the PATENTS.

[signature page follows]

[signature page]

IN WITNESS WHEREOF, ASSIGNORS have caused this Patent Assignment to be duly executed by an authorized officer or other person.

Sandvine Incorporated ULC	Don Bowman
By: <u>[Signature]</u>	By: <u>[Signature]</u>
Name: <u>David N. Caputo</u>	Date: <u>7 - March - 2013</u>
Title: <u>President & CEO</u>	
Date: <u>7 - March - 2013</u>	

PROVINCE OF Ontario)
CITY OF Windsor) ss.

On March 7th, 2013, before me, the undersigned notary public in and for said City and Province, personally appeared
David Caputo and Don Bowman

X personally known to me [or]
_____ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) are subscribed to the within instrument and acknowledged to me that they executed the same in their authorized capacity(ies) and that, by their signature(s) on the instrument, the person(s) or the entity(ies) upon behalf of which the person(s) acted executed the instrument.

WITNESS my hand and official seal.

[Signature]

My commission expires on No Expiry

Michael Verboeve
Notary Public for Province of Ontario

Attachment 1 to Patent Assignment

PATENTS

SERIAL NUMBER OR REGISTRATION NUMBER	COUNTRY	FILING OR ISSUE DATE	TITLE
Pat. No. 8,144,594	United States of America	March 27, 2012	Congestion Management in a Shared Network
Appl. No. 12/410,661	United States of America	March 25, 2009	Congestion Management in a Shared Network
Appl. No. 13/355,869	United States of America	January 23, 2012	Congestion Management in a Shared Network
Appl. No. 12/346,162	United States of America	December 30, 2008	System and Method for Managing a Broadband Network