PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6248197

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID DOLSON	08/12/2020
THOMAS J CRUGNALE	07/19/2020
MICHAEL P BIENIEK	07/15/2020
MICHAEL F MARCHETTI	08/07/2020
KYLE M LAROSE	07/23/2020

RECEIVING PARTY DATA

Name:	SANDVINE INCORPORATED ULC	
Street Address:	408 ALBERT ST	
City:	WATERLOO	
State/Country:	CANADA	
Postal Code:	N2L 3V3	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15883821

CORRESPONDENCE DATA

Fax Number: (519)571-5009

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.

Phone: 5195757509

Email: waterloo.ip@gowlingwlg.com

Correspondent Name: GOWLING WLG (CANADA) LLP

Address Line 1: 50 QUEEN STREET NORTH, STE. 1020

Address Line 2: P.O. BOX 2248

Address Line 4: KITCHENER, CANADA N2H6M2

ATTORNEY DOCKET NUMBER:	K8001724US	
NAME OF SUBMITTER:	NEIL W. HENDERSON	
SIGNATURE:	/Neil W. HENDERSON/	
DATE SIGNED: 08/13/2020		
·		

Total Attachments: 8

PATENT REEL: 053482 FRAME: 0588

PATENT REEL: 053482 FRAME: 0589

ASSIGNMENT

l/we

Kyle Mathieu LAROSE 517 Fallingbrook Drive Waterloo, ON N2L 4N2 CANADA

Michael Frank MARCHETTI 11 Karl Court Cambridge, ON N3C 3R4 CANADA

Thomas James CRUGNALE 41 Erhardt Wagner Place Baden, ON N3A 4S1 CANADA

David Cameron DOLSON 427 Brentcliffe Drive Waterloo, ON N2T 2J6 CANADA

Michael Peter BIENIEK 27 Don Head Village Boulevard Richmond Hill, ON L4C 7M6 CANADA

(collectively, the "Assignors")

for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, confirm that effective at least as early as **January 30**, **2017** the Assignors sold, assigned and transferred and, for greater certainty, do hereby sell, assign and transfer to:

Sandvine Incorporated ULC 408 Albert Street Waterloo, ON N2L 3V3 CANADA

(the "Assignee")

all of the Assignors right, title and interest in Canada, the United States of America, and all countries foreign thereto, in and to the invention disclosed in Patent Application No. 62/451,986 filed January 30, 2017 in the United States of America, relating to, and entitled:

SYSTEM AND METHOD FOR TRAFFIC STEERING AND ANALYSIS

and to any application for patent claiming priority therefrom, and to all the Assignors corresponding right, title and interest in and to any patent issued therefrom, and to any patent issued from a continuation, continuation-in-part, re-issue, divisional or re-examination application derived, or claiming priority, from the above application, and in and to any right to sue for infringement and to collect for all past, present and future damages.

The Assignors will, without further consideration, do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for the invention in any and all countries, and to vest title thereto in the Assignee, its successors, assigns, and legal representatives or nominees. The Assignors will also promptly provide the Assignee with all pertinent facts, documents, and recorded information relating to the invention as may be known and accessible to the Assignors and will testify in any interference, litigation, or other proceedings related thereto.

The Assignors authorize the firm of Gowling WLG (Canada) LLP to insert any further identification necessary to make this assignment suitable for recordation in the Patent Offices of any country as may be required.

Kyle Mathieu LAROSE	Witness:

Executed at	I, Print Name
City	with the control of t
**** *	whose full post office address is
Province/State, Country	
This day of	
This day of Day Month Year	was personally present and did see Kyle Mathieu
	LAROSE execute the within assignment and such
	assignor is personally known to me
Signature	Signature
	and a second control of the second control of the second control of the second control of the second control of
Michael Frank MARCHETTI	Witness:
	I, Print Name
Executed at	
	whose full post office address is
Province/State, Country	
This day of	
Day Month Year	in an incomment because one of the said interior
	Frank MARCHETTI execute the within
	assignment and such assignor is personally
	known to me.
Signature	Signature

Thomas James CRUGNALE	Witness
	I,
Executed at	Print Name
City	whose full post office address is
Province/State, Country	
This day of Day Month Year	was personally present and did see Thomas James CRUGNALE execute the within assignment and such assignor is personally
	known to me.
Signature	Signature
David Cameron DOLSON	Witness:
	1, <u>Tracy Mann</u>
Executed at WATER LOO	/ Print Name
	whose full post office address is
ONTARIO CANADA	4278, 2016 1196 Dallaterlan
Province/State, Country	다. 이 마트 사람들은 사람들은 다른 마른 마른 마른 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은 사람들은
This 12 down 886 2020	<u>-04,4272Jk</u>
This 12 day of AVG 2020. Day Month Year	was personally present and did see David
	Cameron DOLSON execute the within
	assignment and such assignor is personally
Dail C. O.C.	known to me.
	20 kg 1 - 45 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2

Signature

Michael Peter BIENIEK	Witness.
Executed at	I,Print Name whose full post office address is
Province/State, Country	
This day of, Day Month Year	was personally present and did see Michael Peter BIENIEK execute the within assignment and such assignor is personally known to me.
Signature	Signature

Thomas James CRUGNALE	Witness:
Executed at Baden City On Jan 19 Consider Province/State, Country This 19 day of July 2020 Day Month: Year Signature	Print Name whose full post office address is LO Hammacher Shoot Raden, Outerlo N3A451 was personally present and did see Thomas James CRUGNALE execute the within assignment and such assignor is personally known to me. Signature
David Cameron DOLSON	<u>Witness:</u>

Michael Peter BIENIEK	Witness:
Executed at Toronto City Ontario, Canada Province/State, Country This 15 day of July Month, 2020 Month Year Signature	whose full post office address is 111 West Oak Trail, Kitchener, Ontario, N2R1R4 was personally present and did see Michael Peter BIENIEK execute the within assignment and such assignor is personally known to me. **M. & Signature**

The Assignors will, without further consideration, do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for the invention in any and all countries, and to vest title thereto in the Assignee, its successors, assigns, and legal representatives or nominees. The Assignors will also promptly provide the Assignee with all pertinent facts, documents, and recorded information relating to the invention as may be known and accessible to the Assignors and will testify in any interference, litigation, or other proceedings related thereto.

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Kyle Mathieu LAROSE	Winess
Executed at	I,Print Name whose full post office address is
Province/State, Country Thisday of Day Month Year	was personally present and did see Kyle Mathieu LAROSE execute the within assignment and such assignor is personally known to me.
Signature	Signature
Michael Frank MARCHETTI	<u>Viness.</u>
Executed at <u>(ambridge</u> City On to Airo Canada Province/State, Country	Print Name whose full post office address is
This 7 day of Aug 2020 Veal	was personally present and did see Michael Frank MARCHETTI execute the within assignment and such assignor is personally known to me.
	Signature

The Assignors will, without further consideration, do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for the invention in any and all countries, and to vest little thereto in the Assignee, its successors, assigns, and legal representatives or nominees. The Assignors will also promptly provide the Assignee with all pertinent facts, documents, and recorded information relating to the invention as may be known and accessible to the Assignors and will testify in any interference, litigation, or other proceedings related thereto.

The Assignors authorize the firm of Gowling WLG (Canada) LLP to insert any further identification necessary to make this assignment suitable for recordation in the Patent Offices of any country as may be required.

Nyle Mairileu LAROSE	Witness:
Executed at Water-loo City Ontanio Calvade Province/State Country This 33-2 day of July 2020 Day Month Year Signature	Print Name whose full post office address is STT Fallinghrook Drive Workerloo Chtorio Gnocio NZI 4WI was personally present and did see Kyle Mathieu LAROSE execute the within assignment and such assignor is personally known to me. Entury (Sept.) Signature
Michael Frank MARCHETTI	Witness
Executed at	Print Name whose full post office address is
Province/State, Country	
This day of Day Month Year	was personally present and did see Michael Frank MARCHETTI execute the within assignment and such assignor is personally known to me
Signature	Signature