505197303 11/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5244072

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VLADIMIR FURLAN	11/26/2017

RECEIVING PARTY DATA

Name:	TAOGLAS GROUP HOLDINGS LIMITED
Street Address:	UNIT 5 KILCANNON BUSINESS PARK, OLD DUBLIN ROAD
City:	ENNISCORTHY, COUNTY WEXFORD
State/Country:	IRELAND
Postal Code:	Y21 XW56

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16192191

CORRESPONDENCE DATA

Fax Number: (415)421-2922

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: 415-421-6500

Email: patents@sflaw.com

Correspondent Name: CECILY ANNE O'REGAN

Address Line 1: 1 MARITIME PLAZA, 18TH FLOOR
Address Line 4: SAN FRANCISCO, CALIFORNIA 94111

ATTORNEY DOCKET NUMBER: 9306.14301

NAME OF SUBMITTER: SHEPHERD SMITH

SIGNATURE: /Shepherd Smith/

DATE SIGNED: 11/19/2018

Total Attachments: 5

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PATENT 505197303 REEL: 047543 FRAME: 0018

IN THIS PATENT ASSIGNMENT,	made effective as	of November 26	<u>, 2017 (</u> "Effec	ctive Date"), the
parties agree as follows:				

WHEREAS, the undersigned

Vladimir FURLAN Munich Christopher M. ANDERSON Minneapolis, MN

Sifiso GAMBAHAYA Wexford

(hereinafter "Inventor(s))," have invented certain new and useful improvements in

ANTENNA

for which a United States patent	t application is executed on even	date herewith;	
☑ for which Application No. 62/5	91,221 was filed on November 2	26, 2017 in the Un	ited States
Patent Office;			
for which Application No	was filed on	in the U.	S.
Receiving Office of the Patent Cooperation	n Treaty;		
for which Application No	was filed on	in the	Patent
Office; and/or			
☐ for which an application was fil	ed upon which a United States P.	atent issued on	
, as U.S. Patent No			
(hereinafter "Application(s)").			

WHEREAS, <u>TAOGLAS GROUP HOLDINGS LIMITED</u>, an IRISH Company, having a place of business at <u>Unit 5 Kilcannon Business Park</u>, <u>Old Dublin Road</u>, <u>Enniscorthy</u>, <u>County Wexford</u>, <u>Y21 XW56</u>, <u>Ireland</u>, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution,

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continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s).

- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, post grant proceedings, interpartes review proceedings, cancellation proceedings, priority contests, public use proceedings, inferngement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- 3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- 4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- 5. Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee with an Effective Date as first written above.

July Telly	
Vladimir FURLAN	Christopher M. ANDERSON
Sifiso GAMBAHAYA	

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continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s).

- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, post grant proceedings, *inter partes* review proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
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Vladimir FURLAN	Christopher M. AND	ERSON
Sifiso GAMBAHAYA		

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continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s).

- 2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, post grant proceedings, inter partes review proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
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IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee with an Effective Date as first written above.

Vladimir FURLAN	Christopher M. ANDERSON		
Sifiso GAMBAHAYA			

RECEIVED AND AGREED TO BY ASSIGNEE:

By:

Name: Kevin Leverett Jr.

Title: IP Manager

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RECORDED: 11/19/2018