

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5685543

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHARLES COLLINS	08/19/2019
DAVE SMITH	08/16/2019
ANTHONY SALVAGGIO	08/16/2019
ALPAR ERDEI	08/19/2019
GRAY MACK	08/16/2019
RECEIVING PARTY DATA	
Name:	LUMINEX CORPORATION
Street Address:	12212 TECHNOLOGY BLVD.
City:	AUSTIN
State/Country:	TEXAS
Postal Code:	78727
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	16507166
PCT Number:	US2019041105
CORRESPONDENCE DATA	
Fax Number:	(512)334-2999
<i>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.</i>	
Phone:	5123342900
Email:	cblessing@phiplaw.com
Correspondent Name:	PARKER HIGHLANDER PLLC
Address Line 1:	1120 S. CAPITAL OF TEXAS HIGHWAY
Address Line 2:	BUILDING ONE, SUITE 200
Address Line 4:	AUSTIN, TEXAS 78746
ATTORNEY DOCKET NUMBER:	LUMN.P0145US LUMN.P0145WO
NAME OF SUBMITTER:	CHRIS W. SPENCE
SIGNATURE:	/Chris W. Spence/
DATE SIGNED:	08/26/2019

Total Attachments: 8

source=LUMN.P0145US and LUMN.P0145WO - assignment#page1.tif

source=LUMN.P0145US and LUMN.P0145WO - assignment#page2.tif

source=LUMN.P0145US and LUMN.P0145WO - assignment#page3.tif

source=LUMN.P0145US and LUMN.P0145WO - assignment#page4.tif

source=LUMN.P0145US and LUMN.P0145WO - assignment#page5.tif

source=LUMN.P0145US and LUMN.P0145WO - assignment#page6.tif

source=LUMN.P0145US and LUMN.P0145WO - assignment#page7.tif

source=LUMN.P0145US and LUMN.P0145WO - assignment#page8.tif

ASSIGNMENT

This Patent Assignment ("Assignment") is made and entered into by and between **Charles COLLINS, Dave SMITH, Anthony SALVAGGIO, Alpar ERDEI, and Gray MACK** (the "Assignor(s)") and **LUMINEX CORPORATION**, having a place of business at 12212 Technology Blvd., Austin, TX 78727 (the "Assignee").

WHEREAS, Assignor(s) has agreed to assign and transfer to Assignee, and Assignee has agreed to acquire and accept from Assignor(s), Assignor(s)'s rights in **U.S. Patent Application, Serial No. 16/507,166, filed July 10, 2019, and International Patent Application, Serial No. PCT/US2019/041105, filed July 10, 2019**, both of which claim priority to U.S. Provisional Patent Application, Serial No. 62/696,961, filed July 12, 2018, and U.S. Provisional Patent Application, Serial No. 62/739,982, filed October 2, 2018.

NOW, THEREFORE, in consideration of the premises, mutual covenants and provisions herein contained, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the parties hereto agree to execute this Assignment, as follows:

1.0 Assignment. The Assignor(s) has assigned and/or by these presents does hereby assign, transfer and convey unto Assignee, the Assignor(s)'s whole and entire right, title and interest for the United States and all other countries throughout the world (i) in and to the inventions claimed or disclosed in the Assigned Patents, including all patents granting from the Assigned Patents or any continuation, continuation-in-part, division, renewal, substitute, reexamination or reissue thereof, including any patents in the United States and in all other countries throughout the world obtained based upon a claim of priority to any said Assigned Patents as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law, as well as the right to claim priority to any said Assigned Patents as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law, and (ii) in and to all rights to sue for and collect damages resulting from past, present and future infringement of said patents and patent applications in (i).

2.0 Enjoyment. The patents and patent applications subject to Paragraph 1 shall be held and enjoyed by Assignee, for Assignee's use and benefit, and for Assignee's legal representatives and assigns, to the full end of the term or terms for which same may be granted, as fully and entirely as the same would have been held by Assignee had this assignment and transfer not been made.

3.0 Authorize and Request. Assignor(s) authorizes and requests the issuing authority to issue any and all United States and foreign patents granted on such patents and patent applications in 1.0(i) to the Assignee.

4.0 Warrant and Covenant. Assignor(s) warrants and covenants that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the Assignor(s), and that the full right to convey the same as herein expressed is possessed by the Assignor(s).

5.0 Assistance. The parties to this Assignment shall use commercially reasonable efforts to take, or cause to be taken, all actions, and to do, or cause to be done, all things, necessary or advisable to consummate the transactions contemplated by this Assignment. Without limiting the foregoing, each of Assignor(s) and Assignee shall cooperate with the other without any further consideration to execute and deliver, or use commercially reasonable efforts to cause to be executed and delivered, all documents as may reasonably be necessary to secure the vesting in Assignee of all rights assigned to Assignee by this Assignment, including without limitation any documents required to record this Assignment with local patent offices, and all rightful oaths, declarations, and other papers.

6.0 Binding. The Assignment is binding on the heirs, assigns, representatives and successors of the Assignor(s) and extends to the successors, assigns and nominees of the Assignee.

7.0 Effectiveness. The assignment of said inventions is or was effective as of the earlier of (1) the date of execution of the Assignor(s) indicated below or (2) the filing date of the first filed of the patent applications of the Assigned Patents.

(Signature page follows)

IN WITNESS WHEREOF, each of the parties hereto has executed this Patent Assignment, or has caused this Patent Assignment to be executed on its behalf by a representative duly authorized.

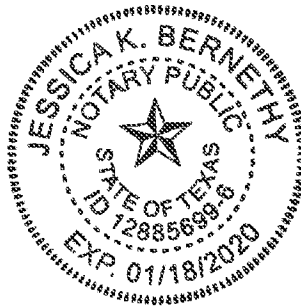
Charles COLLINS

Signature: [Signature]
Date: 08/19/19

STATE OF TEXAS
COUNTY OF TRAVIS

BEFORE ME, the undersigned authority, on this 19th day of August, 2019 personally appeared **Charles COLLINS**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]



[Signature]
Notary or Consular Officer

IN WITNESS WHEREOF, each of the parties hereto has executed this Patent Assignment, or has caused this Patent Assignment to be executed on its behalf by a representative duly authorized.

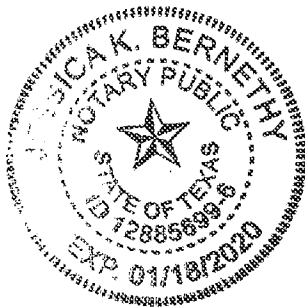
Dave SMITH

Signature: *Dave Smith*
Date: 8/16/19

STATE OF Texas
COUNTY OF Travis

BEFORE ME, the undersigned authority, on this 16th day of August, 2019 personally appeared **Dave SMITH**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]



Jessica K. Bernethy
Notary or Consular Officer

IN WITNESS WHEREOF, each of the parties hereto has executed this Patent Assignment, or has caused this Patent Assignment to be executed on its behalf by a representative duly authorized.

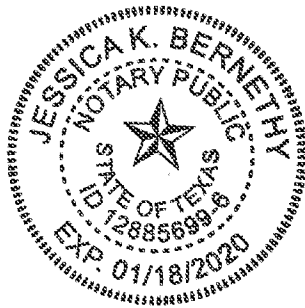
Anthony SALVAGGIO

Signature: *A Salvaggio*
Date: 8/16/19

STATE OF Texas
COUNTY OF Tarrant

BEFORE ME, the undersigned authority, on this 16th day of August, 2019 personally appeared **Anthony SALVAGGIO**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]



Jessica K. Bernethy
Notary or Consular Officer

IN WITNESS WHEREOF, each of the parties hereto has executed this Patent Assignment, or has caused this Patent Assignment to be executed on its behalf by a representative duly authorized.

Alpar ERDEI

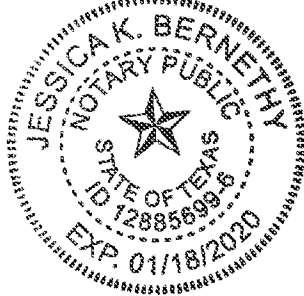
Signature: _____

Date: _____

STATE OF Texas
COUNTY OF Travis

BEFORE ME, the undersigned authority, on this 19th day of August, 2019 personally appeared **Alpar ERDEI**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]



Notary or Consular Officer

IN WITNESS WHEREOF, each of the parties hereto has executed this Patent Assignment, or has caused this Patent Assignment to be executed on its behalf by a representative duly authorized.

Gray MACK

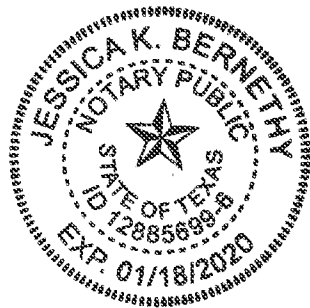
Signature: _____

Date: _____

STATE OF Texas
COUNTY OF Travis

BEFORE ME, the undersigned authority, on this 16th day of August, 2019 personally appeared **Gray MACK**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]



Notary or Consular Officer

IN WITNESS WHEREOF, each of the parties hereto has executed this Patent Assignment, or has caused this Patent Assignment to be executed on its behalf by a representative duly authorized.

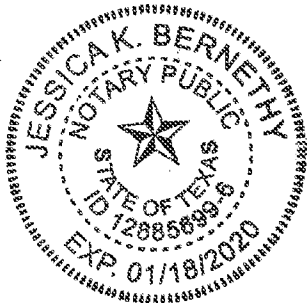
LUMINEX CORPORATION

X Richard W. Rowe
Name: RICHARD W. ROWE II
Title: SVP, General Counsel
Date: August 20, 2019

STATE OF Texas
COUNTY OF Travis

BEFORE ME, the undersigned authority, on this 20th day of August, 2019 personally appeared Richard W. Rowe II, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]



Jessica K. Bernethy
Notary or Consular Officer