### 506346048 11/10/2020

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
MARTIN ALLES	02/14/2012
THOMAS B. GRAVELY	02/14/2012
KHALID W. AL-MUFTI	02/14/2012

### **RECEIVING PARTY DATA**

Name:	ANDREW LLC	
Street Address:	1100 COMMSCOPE PLACE SE	
Internal Address:	P.O. BOX 339	
City:	HICKORY	
State/Country:	y: NORTH CAROLINA	
Postal Code:	28603-0339	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14528773

### **CORRESPONDENCE DATA**

**Fax Number:** (952)465-0771

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Email:docketing@fogglaw.comCorrespondent Name:FOGG & POWERS LLCAddress Line 1:4600 W. 77TH STREET

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Address Line 4: MINNEAPOLIS, MINNESOTA 55435

ATTORNEY DOCKET NUMBER:	2317/100.1575US03	
NAME OF SUBMITTER:	JUDY FAN	
SIGNATURE:	/Judy Fan/	
DATE SIGNED:	11/10/2020	

**Total Attachments: 2** source=00939836#page1.tif

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PATENT 506346048 REEL: 054320 FRAME: 0640

## **ASSIGNMENT**

	Insert Name(s) of	
	Inventor(s)	Martin C. ALLES
		Thomas B. GRAVELY
		Khalid W. AL-MUFTI
	In consideration for good and val	uable considerations, the receipt of which is acknowledged by each
of the	e undersigned, the undersigned agree	e(s) to assign, and hereby do(es) assign, transfer and set over to
	Insert name of Assignee	Andrew LLC
	Insert address of Assignee	1100 CommScope Place SE
		P.O. Box 339
		Hickory, NC 28603-0339
and i	ts successors, legal representatives a	and assigns (hereinafter designated as the Assignee) the entire right
title a	and interest in the invention disclose	d and/or claimed in the United States application identified below,
as we	ell as all applications for patent and	any Letters Patent which may be granted therefore in the United
State	s of America and all foreign countri	es, and in and to any and all divisions, continuations, continuations
in-pa	rt of said applications, or re-issues o	or extensions of said patents or Letters Patent, and all rights under
the Ir	nternational Convention for the Prote	ection of Industrial Property:
	Insert Identification of	SYSTEM AND METHOD FOR MOBILE LOCATION
	application	BY DYNAMIC CLUSTERING
	Docket Number, or Foreign	Docket No. (AND01 158)
	Application Number	
	Insert date of signing of	
	application	
	Alternative identification	Application Number:
	for filed applications	Filed:

DM2\3228910.1

**PATENT** REEL: 024300 FRAME: 0682 The undersigned further agree(s) to cooperate with the Assignee in every way possible and to do all affirmative acts, and to execute all papers which counsel for Assignee shall advise are necessary and/or desirable without charge to Assignee in connection with said applications including, without limitation, the execution of separate assignments in connection with such applications, claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that he/she has (they have) full right to convey the entire interest herein assigned, and that he/she has (they have) not executed and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) to Mark C. Comtois, Reg. No. 46,285; D. Joseph English, Reg. No. 42,514; and Patrick D. McPherson, Reg. No. 46,255, and all other associated with Customer No. 79172, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document. In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

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Khalid W. AL-MUFTI

Date 02/14/12	Signature of Inventor Martin ALLES
Date 2/14/12	Signature of Inventor Thomas B. GRAVELY
Date 02/14/12	Signature of Inventor Kholid Muft

RECORDED: 02/19/2020

PATENT REEL: 024300 FRAME: 0493