# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
XIANBIN CAO	04/18/2018
ZHENYU XIAO	04/18/2018
PENG YANG	04/18/2018
CHAO YIN	04/18/2018
XING XI	04/18/2018
DAPENG WU	04/18/2018

## **RECEIVING PARTY DATA**

Name:	BEIHANG UNIVERSITY
Street Address:	NO. 37, XUEYUAN ROAD, HAIDIAN DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100191

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

Property Type	Number
Application Number:	15956729

# **CORRESPONDENCE DATA**

Fax Number: (206)374-2899

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: 206-622-2900

Email: DPAI@PAILAW.COM

**Correspondent Name:** CHAO-CHANG DAVID PAI

Address Line 1: 1001 FOURTH AVENUE, SUITE 3200 Address Line 4: SEATTLE, WASHINGTON 98154

ATTORNEY DOCKET NUMBER:	IP141506
NAME OF SUBMITTER:	CHAO-CHANG DAVID PAI
SIGNATURE:	/Chao-Chang David Pai/
DATE SIGNED:	05/23/2018

**Total Attachments: 6** 



ASSIGNMENT OF APPLICA		Docket Number IP141506
Whereas, I/We, Xianbin Cao	of Beijing,	China , hereaste
referred to as inventor(s), have invented certain JOINT SEARCH METHOD FOR UAV MULTIOSJECTIVE PA	new and useful	imprayements in
for which an application for a United State		
Application No, which under 35 U.S.C. 371 of	is an applicatio	n enterior the Madana co.
If for which an application for a United States F	atent was execut	ted on Jailan -11
Whereas, Beihang University	of Beijin	g, China
referred to as "assignee", whose mailing address  Beijing 100191, China , is des	s is No. 37, Xuey	Van Road, Haidian Dietrict
interest in the same;		g the chare right, title and
Now, therefore, in consideration of the sum of	Jistocration, I/W lignee the full and t, title and interest ited States, I/We ffice to issue said it in and to the sa presentatives, to	c, the applicant(s), by these d exclusive right to said st in and to any and all hereby authorize and request I United States Patent(s) to me, for his sole use and
executed this 18 <sup>th</sup> day of Apr		2018
Beijing, China	<b>4</b>	
	Jank	- Cao
	Signat	urc
	Xianbin (	
	Printed	· · · · · · · · · · · · · · · · · · ·
ote: Signatures of all the inventors or assignees of record of quired. Submit multiple forms if more than one signature i	of the entire interest is required. See belo	or their representative(s) are
Total of 6 forms are submitted.		

ASSIGNMENT OF APPL	ICATION	Docket Numbo IP141506	
Whereas, I/We, Zhenyu Xiao	of Be	jing, China	hornofte
referred to as inventor(s), have invented c	ertain new and us	eful improvements in	N
for which an application for a United			
Application No, wurder 35 U.S.C. 371 of	vhich is an appli	cation entering the	National Stace
of for which an application for a United St	ates Patent was e	vecuted on AsiA - 3	bolk and
Whereas, Beihang University	of E	leijing, China	horain
referred to as "assignee", whose mailing a	ddress is No. 37,	Xueyuan Road, Haidi	an District
Beijing 100191, China	is desirous of acq	uiring the entire righ	t title and
Now, therefore, in consideration of the sun is acknowledged, and other good and valua presents do sell, assign and transfer unto sa invention in the United States and the entire Patents which may be granted therefor in the Director of the U.S. Patent and Tradem said assignce, of the entire right, title, and in pehoof; and for the use and behoof of his lead which said Patent(s) may be granted, as full ne/us had this assignment and sale not been	ible consideration and assignce the form of right, uitle and in the United States, ark Office to issumate the form of the form	. I/We, the applicant il and exclusive righ therest in and to any if we hereby authorize said United States I he same, for his sole	(s), by these t to said and all e and request Patent(s) to use and
executed this day of	April	, 2018	
t Beijing, China	. *		
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	S	ignature	700 TO TO THE PARTY OF THE PART
	Zhe	nyu Xiao	***************************************
	$\mathbf{p}_{\mathbf{r}}$	nted Name	
ote: Signatures of all the inventors or assignees of r quired. Submit multiple forms if more than one sig	ecord of the entire in nature is required. So	terest or their representate below.*	ive(s) are
Total of 6 forms are submitted.			

ASSIGNMENT OF APP	LICATION	Docket Number IP141506	
Whereas, I/We, Peng Yang	of Beiji	ng, China	, hereafter
referred to as inventor(s), have invented JOINT SEARCH METHOD FOR UAV MULTIOBJEC	certain new and use	ful improvements in	
for which an application for a Unite	ed States Patent was	filed on	under
Application No, under 35 U.S.C. 371 of	which is an applic	ation entering the Ni	ational Stage
of for which an application for a United	States Patent was ex	ecuted on App -04	-/K and
Whereas, Beihang University	of Be	∍ijing, China	herein
referred to as "assignee", whose mailing Beijing 100191, China	address is No. 37, X	lueyuan Road, Haidiar	n District
interest in the same;			was till
is acknowledged, and other good and val presents do sell, assign and transfer unto invention in the United States and the ent Patents which may be granted therefor in the Director of the U.S. Patent and Trade said assignee, of the entire right, title, and behoof, and for the use and behoof of his which said Patent(s) may be granted, as func/us had this assignment and sale not be	said assignee the ful- tire right, title and in the United States, I/ mark Office to issue I interest in and to the legal representatives fully and entirely as to een made.	I and exclusive right to terest in and to any an We hereby authorize said United States Pa e same, for his sole up	o said ad all and request tent(s) to se and
Executed this	April	, 2018	
at Beijing, China			
	<u>Pe</u>	ig Y <i>ang</i> gnature	
		Yang Ited Name	
iote: Signatures of all the inventors or assignees c equired. Submit multiple forms if more than one s	of reviewed of the amelia inc		c(s) are
7 Total of 6 forms are submitted	A Company of the Comp	The state of the s	***************************************

ASSIGNMENT OF APPLICATION	Docket Number IP141506
Whereas, I/We, Chao Yin of Beijing	g, China hereafte
referred to as inventor(s), have invented certain new and useful joint search method for usy multiobjective path planning in up	1 Commonwear and In
of for which an application for a United States Patent was fi	led on Bude
Application No, which is an applicati under 35 U.S.C. 371 of	filed
an application for a United States Patent was execu	uted on AR - nh AR and
Whereas, Beihang University of Beiji	ng, China
. Whose mailing address is No. 37, Xue	Wilan Road Holdian million
Beijing 100191, China , is desirous of acquiring interest in the same.	the the entire with the
interest in the same;	"S me come right, the and
is acknowledged, and other good and valuable consideration, I/A presents do sell, assign and transfer unto said assignee the full are invention in the United States and the entire right, title and interest which may be granted therefor in the United States, I/We the Director of the U.S. Patent and Trademark Office to issue said assignee, of the entire right, title, and interest in and to the self-behoof; and for the use and behoof of his legal representatives, to which said Patent(s) may be granted, as fully and entirely as the me/us had this assignment and sale not been made.  Executed this	nd exclusive right to said est in and to any and all e hereby authorize and request id United States Patent(s) to ame, for his sole use and o the full end of the term for same would have been held by
Chao Y Signa Chao Y Printed	iture
ote: Signatures of all the inventors or assignees of record of the entire interest quired. Submit multiple forms if more than one signature is required. See beli	
Total of 6 forms are submitted.	(.17)

ASSIGNMENT OF APPLICATION	Docket Number IP141506
Whereas, I/We, Xing Xi of Beijir	ng, China , hereafter
referred to as inventor(s), have invented certain new and usef	ul improvements in
in for which an application for a United States Patent was	filed on under
Application No, which is an applica under 35 U.S.C. 371 of	tion entering the National Stage
₹ for which an application for a United States Patent was exe	
Whereas, Beihang University of Be	
referred to as "assignee", whose mailing address is No. 37, XI	ueyuan Road, Haidian District
Beijing 100191, China , is desirous of acqui	ring the entire right, title and
interest in the same;	
is acknowledged, and other good and valuable consideration, presents do sell, assign and transfer unto said assignee the full invention in the United States and the entire right, title and interests which may be granted therefor in the United States, LA the Director of the U.S. Patent and Trademark Office to issue said assignee, of the entire right, title, and interest in and to the behoof; and for the use and behoof of his legal representatives which said Patent(s) may be granted, as fully and entirely as the me/us had this assignment and sale not been made.	and exclusive right to said erest in and to any and all We hereby authorize and request said United States Patent(s) to c same, for his sole use and
Executed this 18th day of April	2018
at Beijing, China	
Xing	
Si <sub>s</sub>	gnature
Xing	X
Prim	ited Name
vote: Signatures of all the inventors or assignees of record of the entire inte equired. Submit multiple forms if more than one signature is required. See	rest or their representative(s) are below.*
2 Total of 6 forms are submitted	

ASSIGNMENT OF APPLICATION	Docket Number	
	IP141506	
Whereas, I/We, Dapeng Wu of Beijing,	China , hereafter	
referred to as inventor(s), have invented certain new and useful improvements in		
JOINT SEARCH METHOD FOR UAV MULTIOBJECTIVE PATH PLANNING IN URB	AN LOW ALTITUDE ENVIRONMENT	
of for which an application for a United States Patent was file	ed onunder	
Application No, which is an applicatio		
under 35 U.S.C. 371 of		
🗸 for which an application for a United States Patent was execu		
Whereas, Beihang University of Beijir	ng, China , herein	
referred to as "assignee", whose mailing address is No. 37. Xuey		
Beijing 100191, China , is desirous of acquiring	ng the entire right, title and	
interest in the same;		
Now, therefore, in consideration of the sum of ten dollars is acknowledged, and other good and valuable consideration, I/V presents do sell, assign and transfer unto said assignee the full are invention in the United States and the entire right, title and interest Patents which may be granted therefor in the United States, I/We the Director of the U.S. Patent and Trademark Office to issue said assignee, of the entire right, title, and interest in and to the s behoof, and for the use and behoof of his legal representatives, to which said Patent(s) may be granted, as fully and entirely as the me/us had this assignment and sale not been made.	Ve, the applicant(s), by these and exclusive right to said est in and to any and all chereby authorize and request id United States Patent(s) to ame, for his sole use and o the full end of the term for	
Executed this 18th day of April .	2018	
at Beijing, China		
Dana	(1)	
Signi	ature	
Dapeng Wu		
Printe	d Name	
Note: Signatures of all the inventors or assignees of record of the entire intere- required. Submit multiple forms if more than one signature is required. See be	st or their representative(s) are dow.*	
*Z Total of 6 forms are submitted.	,	

**RECORDED: 05/23/2018**