

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT4975409

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	
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<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>	
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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	

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ASSIGNMENT OF APPLICATION

Docket Number
IP141506

Whereas, I/We, Xianbin Cao 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 URBAN LOW ALTITUDE ENVIRONMENT

☐ for which an application for a United States Patent was filed on _____ under Application No. _____, which is an application entering the National Stage under 35 U.S.C. 371 of _____ filed _____

☒ for which an application for a United States Patent was executed on 2018-04-18, and
Whereas, Beihang University of Beijing, China, herein referred to as "assignee", whose mailing address is No. 37, Xueyuan Road, Haidian District Beijing 100191, China, is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$ 10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by me/us had this assignment and sale not been made.

Executed this 18th day of April, 2018,
at Beijing, China

Xianbin Cao

Signature

Xianbin Cao


Printed Name

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.*

* Total of 6 forms are submitted.

PATENT

REEL: 045887 FRAME: 0415

ASSIGNMENT OF APPLICATION	Docket Number IP141506
<p>Whereas, I/We, <u>Zhenyu Xiao</u> of <u>Beijing, China</u>, hereafter referred to as inventor(s), have invented certain new and useful improvements in</p> <p style="text-align: center;"><u>JOINT SEARCH METHOD FOR UAV MULTIOBJECTIVE PATH PLANNING IN URBAN LOW ALTITUDE ENVIRONMENT</u></p> <p><input type="checkbox"/> for which an application for a United States Patent was filed on _____ under Application No. _____, which is an application entering the National Stage under 35 U.S.C. 371 of _____ filed _____</p> <p><input checked="" type="checkbox"/> for which an application for a United States Patent was executed on <u>2018-04-18</u>, and</p> <p>Whereas, <u>Beihang University</u> of <u>Beijing, China</u>, herein referred to as "assignee", whose mailing address is <u>No. 37, Xueyuan Road, Haidian District Beijing 100191, China</u>, is desirous of acquiring the entire right, title and interest in the same;</p> <p>Now, therefore, in consideration of the sum of <u>ten</u> dollars (\$ <u>10</u>), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by me/us had this assignment and sale not been made.</p> <p>Executed this <u>18th</u> day of <u>April</u>, 2018,</p> <p>at <u>Beijing, China</u></p> <div style="text-align: center; margin-top: 20px;">  _____ Signature </div> <div style="text-align: center; margin-top: 10px;"> <u>Zhenyu Xiao</u> _____ Printed Name </div> <p style="font-size: small;">Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.*</p>	
<input checked="" type="checkbox"/> Total of <u>6</u> forms are submitted.	

ASSIGNMENT OF APPLICATION

Docket Number

IP141506

Whereas, I/We, Peng Yang 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 URBAN LOW ALTITUDE ENVIRONMENT

☐ for which an application for a United States Patent was filed on _____ under Application No. _____, which is an application entering the National Stage under 35 U.S.C. 371 of _____ filed _____

☒ for which an application for a United States Patent was executed on 2018-04-18, and
Whereas, Beihang University of Beijing, China, herein referred to as "assignee", whose mailing address is No. 37, Xueyuan Road, Haidian District Beijing 100191, China, is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$ 10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by me/us had this assignment and sale not been made.

Executed this 18th day of April, 2018
at Beijing, China

Peng Yang
Signature

Peng Yang
Printed Name

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below *

☒ Total of 6 forms are submitted.

PATENT**REEL: 045887 FRAME: 0417**

ASSIGNMENT OF APPLICATIONDocket Number
IP141506

Whereas, I/We, Chao Yin 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 URBAN LOW ALTITUDE ENVIRONMENT

☐ for which an application for a United States Patent was filed on _____ under Application No. _____, which is an application entering the National Stage under 35 U.S.C. 371 of _____ filed _____

☒ for which an application for a United States Patent was executed on 2-18-04-18, and
Whereas, Beihang University of Beijing, China, herein referred to as "assignee", whose mailing address is No. 37, Xueyuan Road, Haidian District Beijing 100191, China, is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of ten dollars (\$ 10), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by me/us had this assignment and sale not been made.

Executed this 18th day of April, 2018
at Beijing, China

Chao Yin
Signature

Chao Yin
Printed Name

Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below *

☒ Total of 6 forms are submitted.

ASSIGNMENT OF APPLICATION	Docket Number IP141506
<p>Whereas, I/We, <u>Xing Xi</u> of <u>Beijing, China</u>, hereafter referred to as inventor(s), have invented certain new and useful improvements in <u>JOINT SEARCH METHOD FOR UAV MULTIOBJECTIVE PATH PLANNING IN URBAN LOW ALTITUDE ENVIRONMENT</u></p> <p><input type="checkbox"/> for which an application for a United States Patent was filed on _____ under Application No. _____, which is an application entering the National Stage under 35 U.S.C. 371 of _____ filed _____</p> <p><input checked="" type="checkbox"/> for which an application for a United States Patent was executed on <u>2018-04-18</u>, and</p> <p>Whereas, <u>Beihang University</u> of <u>Beijing, China</u>, herein referred to as "assignee", whose mailing address is <u>No. 37, Xueyuan Road, Haidian District Beijing 100191, China</u>, is desirous of acquiring the entire right, title and interest in the same;</p> <p>Now, therefore, in consideration of the sum of <u>ten</u> dollars (\$ <u>10</u>), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by me/us had this assignment and sale not been made.</p> <p>Executed this <u>18th</u> day of <u>April</u>, 2018</p> <p>at <u>Beijing, China</u></p> <div style="text-align: right; margin-top: 20px;"> <u>Xing Xi</u> Signature <u>Xing Xi</u> Printed Name </div> <p><small>Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.*</small></p>	
<input checked="" type="checkbox"/> Total of <u>6</u> forms are submitted.	

ASSIGNMENT OF APPLICATION	Docket Number IP141506
<p>Whereas, I/We, <u>Dapeng Wu</u> of <u>Beijing, China</u>, hereafter referred to as inventor(s), have invented certain new and useful improvements in</p> <p style="text-align: center;"><u>JOINT SEARCH METHOD FOR UAV MULTIOBJECTIVE PATH PLANNING IN URBAN LOW ALTITUDE ENVIRONMENT</u></p> <p><input type="checkbox"/> for which an application for a United States Patent was filed on _____ under Application No. _____, which is an application entering the National Stage under 35 U.S.C. 371 of _____ filed _____</p> <p><input checked="" type="checkbox"/> for which an application for a United States Patent was executed on <u>2018-04-18</u>, and</p> <p>Whereas, <u>Beihang University</u> of <u>Beijing, China</u>, herein referred to as "assignee", whose mailing address is <u>No. 37, Xueyuan Road, Haidian District Beijing 100191, China</u>, is desirous of acquiring the entire right, title and interest in the same;</p> <p>Now, therefore, in consideration of the sum of <u>ten</u> dollars (\$ <u>10</u>), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent(s) to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term for which said Patent(s) may be granted, as fully and entirely as the same would have been held by me/us had this assignment and sale not been made.</p> <p>Executed this <u>18th</u> day of <u>April</u>, 2018, at <u>Beijing, China</u></p> <div style="text-align: right; margin-top: 20px;"> <u>Dapeng Wu</u> Signature </div> <div style="text-align: right; margin-top: 10px;"> <u>Dapeng Wu</u> Printed Name </div> <p style="font-size: small; margin-top: 10px;">Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.*</p>	
<p><input checked="" type="checkbox"/> Total of <u>6</u> forms are submitted.</p>	