507305158 05/26/2022

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT7352080

CONVEYING PARTY DATA

Name	Execution Date
HONGLIANG WANG	05/20/2022
DESHAN ZHANG	05/20/2022
QI MOU	05/20/2022

RECEIVING PARTY DATA

Name:	INSPUR SUZHOU INTELLIGENT TECHNOLOGY CO., LTD.	
Street Address:	BUILDING 9, NO. 1 GUANPU ROAD	
Internal Address:	GUOXIANG STREET, WUZHONG ZONE	
City:	SUZHOU, JIANGSU	
State/Country:	CHINA	
Postal Code:	215000	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17780248

CORRESPONDENCE DATA

Fax Number: (216)373-3450

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: 12166540090

Email:docketing@cooperlegalgroup.comCorrespondent Name:COOPER LEGAL GROUP LLCAddress Line 1:1388 RIDGE ROAD, UNIT 1Address Line 4:HINCKLEY, OHIO 44233

ATTORNEY DOCKET NUMBER:	WANHP205WOUS
NAME OF SUBMITTER:	MARCUS A. FISCHER
SIGNATURE:	/Marcus A. Fischer/
DATE SIGNED:	05/26/2022

Total Attachments: 3

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PATENT 507305158 REEL: 060027 FRAME: 0946

ASSIGNMENT BY INVENTOR(S) OF U.S. PATENT APPLICATION Attorney Docket Number Title of METHOD AND CHIP FOR VERTICALLY FILTERING IMAGE Invention WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above. INSPUR SUZHOU INTELLIGENT TECHNOLOGY CO., LTD. WHEREAS, having a postal address of Building 9, No. 1 Guanpu Road, Guoxiang Street, Wuzhong Zone, Suzhou, Jiangsu 215000, China (referred to as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States; NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof. ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument, ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made. ASSIGNOR authorizes Practitioners associated with the Customer Number 163992 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same. LEGAL NAME OF ASSIGNOR

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WANG, Hongliang Date: 05/20/2022

ASSIGNMENT BY INVENTOR(S) OF U.S. PATENT APPLICATION Attorney Docket Number Title of METHOD AND CHIP FOR VERTICALLY FILTERING IMAGE Invention WHEREAS, I believe that I am the original inventor or an original joint inventor (referred to as ASSIGNOR below) of a claimed invention in the application identified by the title above. WHEREAS. INSPUR SUZHOU INTELLIGENT TECHNOLOGY CO., LTD. having a postal address of Building 9, No. 1 Guanpu Road, Guoxiang Street, Wuzhong Zone, Suzhou, Jiangsu 215000. China (referred to as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States; NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and to said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof. ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made. ASSIGNOR authorizes Practitioners associated with the Customer Number 183992 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same. LEGAL NAME OF ASSIGNOR Date: 05/20/2022 ZHANG, Deshan Assignor: Signature: 旅德风

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ASSIGNMENT BY INVENTOR(S) OF U.S. PATENT APPLICATION MARCONINA. MANG Mundan 789e 03 METHOD AND CHIP FOR VERTICALLY FILTERING IMAGE invention WHEREAS. I believe that I am the original inventor or an original joint inventor (referred to as ASSIONOR below) of a claimed invention in the application identified by the lifte above WHEREAS INSPUR SUZHOU INTELLIGENT TECHNOLOGY CO., LTD. having a postal address of Building 9, No. 1 Guanpu Road, Guoxiang Street, Wuzhong Zone, Suzhou, Jiangsu 215000, China (referred to as ASSIGNEE below) desires to acquire the entire right, title, and interest in and to the same in the United States. NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged. ASSIGNOR, by these presents does sell, assign and transfer unto ASSIGNEE, the entire right, title, and interest in and fol said invention and application throughout the United States of America, including any and all patents granted on any division, continuation, continuation-in-part, reexamination, and reissue of said application, whether granted in an initial or supplemental examination thereof, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing. prosecution and maintenance of said application or any other patent applications in the United States for said invention, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said invention and application, all without further consideration, ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the invention that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all patents referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof, and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full and of the term for which such patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made. ASSIGNOR authorizes Practitioners associated with the Customer Number 163392 to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office and to record the same. LEGAL NAME OF ASSIGNOR __ Date:____05/20/2022 Assignor: ___

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PATENT REEL: 060027 FRAME: 0949