

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RUMIN ZHANG	06/12/2016
DIJUN LIU	06/12/2016
GUOBIN SU	06/12/2016
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15113815
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<b>NAME OF SUBMITTER:</b>	DAIFEI ZHANG
<b>SIGNATURE:</b>	/Daifei Zhang L0733/
<b>DATE SIGNED:</b>	10/19/2017
<b>Total Attachments: 2</b>	
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source=630537-Assignment#page2.tif	

ASSIGNMENT

WHEREAS, I/we, Rumin ZHANG; Dijun LIU; Guobin SU of Beijing, China (hereinafter referred/collectively referred to as ASSIGNOR), am the sole inventor/ are the inventors of an Invention/Inventions (hereinafter referred to as Invention(s)) in an application for Letters Patent titled VISUAL NAVIGATION METHOD, VISUAL NAVIGATION DEVICE AND ROBOT, the application having been executed on even date herewith, and/or being identifiable in the United States Patent and Trademark Office by Application No. 15/113,815, filed July 22, 2016; and

WHEREAS, it is the intention of ASSIGNOR and CHINA ACADEMY OF TELECOMMUNICATIONS TECHNOLOGY, having an address at No.40 Xueyuan Rd., Haidian District, Beijing 100191, China (hereinafter referred/collectively referred to as "ASSIGNEE"), that ASSIGNEE own all of ASSIGNOR's right, title and interest in and to the Invention(s), including all of ASSIGNOR's U.S., foreign and international patent rights therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, ASSIGNOR transfers to ASSIGNEE, its successors and assigns, ASSIGNOR's entire right, title and interest in and to the Invention, the above-identified application(s), corresponding domestic and foreign applications claiming rights or benefits to the above-identified application(s) including provisional applications, non-provisional applications, continuation applications, continuing applications, divisional applications, reissue applications, reexamination applications, design applications and continuation-in-part applications, all Letters Patent(s) or similar legal protection issuing thereon, and all rights and benefits under any applicable treaty or convention, including all rights of priority; and ASSIGNOR authorizes the Director of the United States Patent and Trademark Office or foreign equivalent thereof to issue the Letters Patent or similar legal protection to the ASSIGNEE

ASSIGNOR authorizes the ASSIGNEE, its successors and assigns, to insert in this instrument the filing date and serial number of the application when ascertained.

ASSIGNOR authorizes the ASSIGNEE, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries.

ASSIGNOR represents to the ASSIGNEE, its successors and assigns, that ASSIGNOR has not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. ASSIGNOR, its executors or administrators, will at any time upon request, without additional consideration, but at the expense of the ASSIGNEE, its successors and assigns, execute such additional writings and do such additional acts as the ASSIGNEE, its successors and assigns, may deem desirable to perfect its enjoyment of this Assignment, and render all assistance in making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries.

2016-6-12  
Date

Rumin Zhang  
Rumin ZHANG

2016-6-12  
Date

Dijun Liu  
Dijun LIU

2016-6-12  
Date

Guobin Su  
Guobin SU