10/13/2016 504049745

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4096407

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15284160		

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> **PATENT** REEL: 040009 FRAME: 0893

504049745

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Total Attachments: 2		

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PATENT REEL: 040009 FRAME: 0894 In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

EXPANDER AND AIR REFRIGERATING DEVICE WITH THE SAME

have sold and assigned and do hereby sell and assign to

- 1. Z Mechanism Technology Institute Co., Ltd., a Japanese corporation, having a business address at 1-2-67, Fukudamachi, Yonezawa-shi, Yamagata-ken, 992-0033 Japan
- 2. TAC Research Inc., a Japanese corporation, having a business address at 1-2-67, Fukudamachi, Yonezawa-shi, Yamagata-ken, 992-0033 Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) []		executed concurrently	herewith		•
	[]	executed on		,	
	[X]	Application No.	15/284,160	, filed	October 3, 2016

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm 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 U.S. Patent and Trademark Office for recordation of this document.

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PATENT REEL: 040009 FRAME: 0895

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PATENT REEL: 040009 FRAME: 0896

RECORDED: 10/13/2016