

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PALANIVEL SUBRAMANIAM	06/09/2017
RECEIVING PARTY DATA		
Name:	LENNOX INDUSTRIES INC.	
Street Address:	2140 LAKE PARK BLVD.	
City:	RICHARDSON	
State/Country:	TEXAS	
Postal Code:	75080	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15619659	
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ATTORNEY DOCKET NUMBER:	018635.0379	
NAME OF SUBMITTER:	WENDY FLOTTMAN	
SIGNATURE:	/wendy flottman/	
DATE SIGNED:	06/12/2017	
Total Attachments: 2		
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source=Assignment#page2.tif		

ASSIGNMENT

WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, said application having been executed on the date set forth below; and

WHEREAS, Lennox Industries Inc. (hereinafter referred to as "Assignee"), a Delaware corporation, with an address of 2140 Lake Park Blvd., Richardson, TX 75080, desires to acquire my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all provisional, divisions, reissues, continuations, continuations-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to me respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all provisional, divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

DOCKET NO. 018635.0379
(P160129)

ASSIGNMENT

Title of Invention: **CONTROLLING SYSTEMS WITH MOTOR DRIVES USING
PULSE WIDTH MODULATION**

Signature of Inventor:

Palanivel Subramaniam

Full name of inventor:

Palanivel Subramaniam

City/State:

Richardson, Texas

Date:

June 9th 2017