PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DANIEL L. KARST	11/17/2014
BENJAMIN THORPE PUFFER	11/17/2014
BRENT ELLIOTT COFFEY	12/11/2014

RECEIVING PARTY DATA

Name:	BROAN-NUTONE LLC
Street Address:	926 WEST STATE STREET
City:	HARTFORD
State/Country:	WISCONSIN
Postal Code:	53027

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14533430

CORRESPONDENCE DATA

Fax Number:

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.

Email: request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER, P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	5978.203US1
NAME OF SUBMITTER:	DIANA JOHNSON
SIGNATURE:	/Diana Johnson/
DATE SIGNED:	12/17/2014

Total Attachments: 11

source=5978 203US1 RECORDATION FORM signed#page1.tif source=5978 203US1 RECORDATION FORM signed#page2.tif source=5978 203US1 RECORDATION FORM signed#page3.tif source=5978 203US1 RECORDATION FORM signed#page4.tif source=5978 203US1 RECORDATION FORM signed#page5.tif

source=5978 203US1 RECORDATION FORM signed#page6.tif

PATENT

EPAS ID: PAT3150870

503104263 REEL: 034524 FRAME: 0474

source=5978 203US1 RECORDATION FORM signed#page7.tif source=5978 203US1 RECORDATION FORM signed#page8.tif source=5978 203US1 RECORDATION FORM signed#page9.tif source=5978 203US1 RECORDATION FORM signed#page10.tif source=5978 203US1 RECORDATION FORM signed#page11.tif

RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 5978.203US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Broan-NuTone LLC Daniel L. Karst, Benjamin Thorpe Puffer, Brent Elliott Street Address: 926 West State Street Coffey Additional name(s) of conveying party(ies) attached? City: <u>Hartford</u> State: <u>WI</u> Zip: <u>53027</u> Country: United States of America []Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No 3. Nature of conveyance: [] Merger [X] Assignment [] Security Agreement [] Change of Name [] Other Execution Date: November 17, 2014, November 17, 2014, December 11, 2014 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 14/533,430 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Justin N. Woo [[Enclosed []Authorized to be charged to deposit account 19-Address: 0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743 Minneapolis, MN 55402--0938 DO NOT USE THIS SPACE 9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. December 16, 2014 Justin N. Woo/Reg. No. 62,686 Date Name of Person Signing Signature Total number of pages including cover sheet: 11 Mail documents to be recorded with required cover sheet information to: **Commissioner of Patents and Trademarks** Mail Stop Assignment Recordation Services

P.O. Box 1450

Alexandria, VA 22313-1450

ASSIGNMENT

WHEREAS, Daniel L. Karst, Benjamin Thorpe Puffer and Brent Elliott Coffey (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on November 5, 2014, which application was assigned US patent application serial number 14/533,430, and which is titled SPEAKER FAN SYSTEM AND METHOD; which are described in a patent application filed on November 5, 2013, which application was assigned US application serial number 61/900,281, and which is titled SPEAKER FAN SYSTEM AND METHOD.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Broan-NuTone LLC (the "Assignee"), a corporation of the State of Delaware, having a place of business at 926 West State Street, Hartford, WI 53027, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 86245 may (directly or through his/her designee) delete, insert, or alter any

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment:

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignor:			
(Signature):	Daniel J. Vanst		
	Name: <u>Daniel L. Karst</u> City/State: <u>Beaver Dam, WI</u>		
Date:	11-17-14-		
Witnessed B	y:	Witnessed	Ву:
	D 894	- 	
signoture		signature	
name:	James D. Boldt	name:	Eileen B. Cuellar
address:	5761 Century Hills Court	address:	1066 Marigold Lane

West Bend, WI 53095

Hartford, WI 53027

Assignor:

(Signature):			
	Name: <u>Benjamin Thorpe Puffer</u> City/State: <u>Hartford, WI</u>		
Date:	11.17.14		
Witnessed By	r.	Witnessed	f By:
	D OLST		
signature		signature	
name:	James D. Boldt	name:	Eileen B. Cuellar
address:	5761 Century Hills Court	address:	1066 Marigold Lane
	West Bend, WI 53095		Hartford, WI 53027

Assignment
Assignors: Daniel L. Karst et al.
Title: SPEAKER FAN SYSTEM AND METHOD
Page 5 of 5 Docket No: 5978.203US1

Assignor:				
(Signature):				
	Name: Brent Elliott Coffey City/State: Pewaukee, WI			
Date:		-		
Witnessed By	:		Witnessed	Ву:
signature			signature	
name: _	James D. Boldt		name:	Eileen B. Cuellar
address: _	5761 Century Hills Court	-	address:	1066 Marigold Lane
	West Bend, WI 53095			Hartford, WI 53027

Attorney Docket No. 5978.203US1

ASSIGNMENT

WHEREAS, Daniel L. Karst, Benjamin Thorpe Puffer and Brent Elliott Coffey (hereinafter the "Undersigned") have made one or more inventions and other subject matter (hereinafter collectively referred to as the "Invention") which are described in a patent application filed on November 5, 2014, which application was assigned US patent application serial number 14/533,430, and which is titled SPEAKER FAN SYSTEM AND METHOD; which are described in a patent application filed on November 5, 2013, which application was assigned US application serial number 61/900,281, and which is titled SPEAKER FAN SYSTEM AND METHOD.

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged by the Undersigned, the Undersigned do hereby irrevocably and unconditionally:

CONVEY, ASSIGN, AND TRANSFER to Broan-NuTone LLC (the "Assignee"), a corporation of the State of Delaware, having a place of business at 926 West State Street, Hartford, WI 53027, the Undersigned's entire right, title, and interest for the United States and all foreign countries and jurisdictions in and to:

the Invention which is disclosed in the above-identified application or applications;

such application or applications, and all divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other applications for a patent or patents which have been or shall be filed in the United States (including all provisional and non-provisional applications), and in all foreign countries and jurisdictions based in whole or in part on any of such Invention (including any application for a utility model or an innovation patent application);

all original and reissued patents which have been or shall be issued in the United States and all foreign countries and jurisdictions based in whole or in part on any of such Invention;

including the right to claim priority to the above-identified patent application or applications in relation to subject matter based in whole or in part on the above-identified patent application or applications and any of the foregoing including the right to file foreign applications under the provisions of any convention or treaty;

and including the right to all causes of action, remedies, and other enforcement rights related to the above-identified application or applications, including without limitation the right to sue for past, present, or future infringement, misappropriation, or violation of any and all rights related to the above-identified patent application or applications and any of the foregoing, including the right to obtain and collect damages for past, present, or future infringement;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such Invention to the Assignee;

AUTHORIZE AND REQUEST that any attorney associated with U.S. Patent and Trademark Office (USPTO) Customer No. 86245 may (directly or through his/her designee) delete, insert, or alter any

Assignment Docket No: 5978.203US1

Assignors: Daniel L. Karst et al.

Title: SPEAKER FAN SYSTEM AND METHOD

Page 2 of 5

information related to the above-identified patent application or applications or any of the foregoing, after execution of this Assignment;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or shall be made to others by the Undersigned, and that the full right to convey the same as herein expressed is possessed by the Undersigned;

COVENANT, that when requested and without compensation, but at the expense of the Assignee, in order to carry out in good faith the intent and purpose of this Assignment, the Undersigned shall (1) execute all provisional, non-provisional, divisional, continuing (including continuation-in-part), substitute, renewal, reissue, and all other patent applications for the Invention; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers for the Invention; (3) communicate to the Assignee all facts known to the Undersigned relating to the Invention and the history thereof; (4) cooperate with the Assignee in any interference, reexamination, reissue, opposition, dispute, or litigation involving any of the applications or patents for the Invention; and (5) take such further actions as the Assignee shall reasonably consider necessary or desirable for vesting title to such Invention in the Assignee, or for securing, maintaining and enforcing proper patent protection for the Invention;

COVENANT, that should any provision of this agreement be held unenforceable by an authority of competent jurisdiction, such a ruling shall not affect the validity and enforceability of the remaining provisions. To the extent that any such provision is found to be unenforceable, the Undersigned, when requested and without compensation shall act in good faith to substitute for such provision a new provision with content and purpose as close as possible to the provision deemed unenforceable.

THIS AGREEMENT IS TO BE BINDING on the heirs, assigns, representatives, and successors of the Undersigned, and is to extend to the benefit of the successors, assigns, and nominees of the Assignee.

AGREED as of the date of my signature below:

Assignment
Assignors: Daniel L. Karst et al.
Title: SPEAKER FAN SYSTEM AND METHOD
Page 3 of 5 Docket No: 5978.203US1

Assignor:			
(Signature):			
	Name: <u>Daniel L. Karst</u> City/State: <u>Beaver Dam, WI</u>		
Date:			
Witnessed By	<i>y</i> :	Witnessed	Ву:
signature		signature	
name: _	James D. Boldt	name:	Eileen B. Cuellar
address: _	5761 Century Hills Court	address:	1066 Marigold Lane
	West Bend, WI 53095		Hartford, WI 53027

Assignment
Assignors: Daniel L. Karst et al.
Title: SPEAKER FAN SYSTEM AND METHOD Docket No: 5978.203US1

Page 4 of 5

Assignor:				
(Signature):				
	Name: Benjamin Thorpe P City/State: Hartford, WI	<u>uffer</u>		
Date:				
Witnessed By:	:		Witnessed	Ву:
signature			signature	
name:	James D. Boldt		name:	Eileen B. Cuellar
address:	5761 Century Hills Court		address:	1066 Marigold Lane
_	West Bend, WI 53095	_		Hartford, WI 53027

Assignors: Daniel L. Karst et al.
Title: SPEAKER FAN SYSTEM AND METHOD Page 5 of 5

Assignor:

(Signature):

Name: Brent Elliott Coffey

City/State: Pewaukee, WI

Date:

Witnessed By:

Witnessed By:

signature

name:

name:

signature

address:

address:

PATENT

RECORDED: 12/17/2014

REEL: 034524 FRAME: 0486