505006488 07/17/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES M. ANTHONY	06/05/2018
DANIEL M. FOGARTY	07/09/2018
PAUL A. BRAYFORD	04/11/2018
ROBERT FISHER	04/05/2018
DANIEL A. HUBER	04/11/2018
JAN PRUEGNER	03/28/2018
CLARK BRACE	04/25/2018
KEVIN DANN	06/07/2018
MAX OELSCHLAGER	06/08/2018
TODD NELSON	04/11/2018
NICKOLAS C. BUCCOLA	03/23/2018
MICHAEL S. GOLDBERG	04/02/2018

RECEIVING PARTY DATA

Name: HUNTER DOUGLAS INC.	
Street Address: 1 BLUE HILL PLAZA	
City: PEARL RIVER	
State/Country:	NEW YORK
Postal Code:	10965

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15889171

CORRESPONDENCE DATA

Fax Number: (312)580-9696

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: 312-580-1020

Email: bkowalski@hfzlaw.com

Correspondent Name: HANLEY, FLIGHT & ZIMMERMAN, LLC

Address Line 1: 150 S WACKER DRIVE

Address Line 2: SUITE 2200

505006488 REEL: 046367 FRAME: 0087

PATENT

Address Line 4: CHICAGO, ILLINOIS 60606		
ATTORNEY DOCKET NUMBER:	HZ-155-US-10-NPR	
NAME OF SUBMITTER:	BRANDON J. DUBE	
SIGNATURE:	/Brandon J. Dube/	
DATE SIGNED:	07/17/2018	
Total Attachments: 12		
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DOCKET NUMBER: HZ-155-US-10-NPR

ASSIGNMENT

WHEREAS, as a below-named inventor, with citizenship and residence as provided with my signature below, I declare I am an inventor of inventions, improvements, and discoveries (hereinafter "INVENTIONS") as disclosed and described in:

[X]	United States patent application or PCT international patent application number 15/889171 filed on February 5 2018
[]	a United States patent application identified by attorney docket No.
entitled:	METHODS AND APPARATUS TO REDUCE NOISE IN MOTOR ASSEMBLIES

WHEREAS, Hunter Douglas Inc. (hereinafter "ASSIGNEE"), a Delaware corporation having a place of business at 1 Blue Hill Plaza, Pearl River, New York, 10965, desires to acquire, and I, as an inventor, desire to grant to ASSIGNEE, the entire worldwide right, title, and interest in and to the INVENTIONS and in and to any and all patent applications, patents, utility models, inventor certificates or similar certificates, designs, and all other industrial and intellectual property protection for the INVENTIONS including all national stage applications, divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof (hereinafter "PATENT RIGHTS") directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged:

I HEREBY sell or have sold, assign or have assigned, and otherwise transfer or have transferred to ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTIONS, the above-identified United States patent application or PCT international patent application, and any and all other PATENT RIGHTS which may be applied for or granted therefor in and outside the United States, and all rights of priority resulting from the filing of such applications and granting of such patents.

I HEREBY authorize and request the authorized and designated intellectual property Officials and Authorities in the United States and outside the United States, responsible for issuing patents or other evidence or forms of any intellectual property protection, to issue any PATENT RIGHTS in connection with the INVENTIONS to ASSIGNEE, its successors, legal representatives, and assigns, and to grant the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE, its successors, legal representatives, and assigns to the full end of the terms for which any and all such PATENT RIGHTS may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made.

I HEREBY agree to execute and deliver any and all documents and instruments, make all rightful oaths, testify in any legal proceedings, and perform all lawful acts related to obtaining, reissuing, perfecting title in, and enforcing the INVENTIONS and PATENT RIGHTS in any and all countries throughout the world, and related to recording this Assignment or perfecting title to the INVENTIONS and PATENT RIGHTS in ASSIGNEE, its successors, legal representatives, and assigns.

I HEREBY warrant and covenant that I have the full and unencumbered right to sell and transfer and assign the entire rights, titles, and interests herein sold and transferred and assigned, and that I have not executed and will not execute any document or instrument in conflict herewith; and I further acknowledge any prior and ongoing obligations to sell, assign, and transfer the rights under this

Assignment to ASSIGNEE and am not aware of any reason why I may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and I have not executed, and will not execute, any document or instrument in conflict herewith.

I HEREBY agree to communicate to ASSIGNEE, its successors, legal representatives, and assigns all facts and information known to me relating to the INVENTIONS and PATENT RIGHTS and the history thereof, and to assist ASSIGNEE, its successors, legal representatives, or assigns in securing and maintaining and enforcing the PATENT RIGHTS;

I HEREBY authorize ASSIGNEE, its successors, legal representatives, and assigns, to insert in this Assignment any further identification or information (including, but not limited to, patent application number or dates) which may be necessary or desirable in order to comply with the rules of any government entity for the recordation of this Assignment, and to sign or execute all papers and to perform any necessary acts on my behalf, to the fullest extent permitted by law.

I HEREBY acknowledge that I have signed this document as my own free act and that all of the foregoing is true and correct and that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: James M. Anthony

Signature: \	1 automy	Date;	b/5/2018
U	Kepe		•
Citizenship: US			
Address: 4276 Grove Street, Den	iver, CO 80211		
State: Colored State City/County: Drovenselv On Lolo Dolo personally appeared Society named above, who signed this ass	before me, <u>la yz</u> M. Arriboovy		, a Notary Public, n to me to be the Inventor L
Commission Expiry Date			
Notary Public Signature	(seal)		••••

TARA DEARD
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID # 19944014079
MY COMMISSION EXPIRES 03-23-2020

_	DOCKET NUMBER: HZ-155-US-10-NPR
(2) Legal Name of Inventor: Daniel M. Fogarty Signature:	Date:
Citizenship: US Address: 5357 Gunbarrel Center Ct., Boulder, CO 8030	7 7 7
State: Colora do City/County: Brown Field On July 1, 2018 before me, 102 personally appeared Device M. 4012 or 102 Inventor named above, who signed this assignment and	1. to me known and known to me to be the
Commission Explry Date Notary Public Signature (seal) M	TARA DEARD NOTARY PUBLIC STATE OF COLORADO NOTARY ID # 19944014079 Y COMMISSION EXPIRES 03-23-2020
(3) Legal Name of Inventor: Paul A. Brayford	
Signature:	Date:
Citizenship: US Address: 8199 Welby Road #1404 Denver CO 80229	
State:	
City/County: before me,	a Notary Public
personally appeared	, to me known and known to me to be the
Commission Expiry Date	

(seal)

Notary Public Signature

Signature:	THE METERS AND THE STREET STREET,	Date:
Citizenship: US Address: 5357 Gunbarrel Cen	nter Ct., Boulder, CO 80	0301
State:		
City/County:		
On	беfore те,	, a Notary &
personally appeared		, to me known and known to me to be the Inv
named above, who signed this	assignment and acknowled	, to me known and known to me to be the Inv dged it to be his free act and deed.
Commission Expiry Date		
Notary Public Signature	(seal)	
Stoury Luoin Signature	(3646)	
Legal Name of Inventor: Paul	A Dwayford	
	A. Brayiord	
111	A. Brayloid	
A/A	11	
Signature:	11	Date: 4/11/2018
A/A	11	Date: 4/11/2018
A/A	11	Date: 4/11/2018
Signature:Citizenship: US		
Signature: Citizenship: US Address: 8199 Welby Road #		
Signature: Citizenship: US Address: 8199 Welby Road #	1404 Denver CO 80229	
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Signature: Citizenship: US Address: 8199 Welby Road # State: City/County: 55000 Giry/County: 550000 Giry/County: 55000 Giry/County: 55000 Giry/County: 55000 Giry/	1404 Denver CO 80229	9
Signature: Citizenship: US Address: 8199 Welby Road # State: City/County: 5romfor On April 11 2018 personally appeared Pa	1404 Denver CO 80229 eld before me,	cott Lugh , a Notary P, to me known and known to me to be the Inv
Signature: Citizenship: US Address: 8199 Welby Road # State: City/County: 5romfor On April 11 2018 personally appeared Pa	1404 Denver CO 80229 eld before me,	9
Signature: Citizenship: US Address: 8199 Welby Road # State: City/County: Bromfile On April 11 2018 personally appeared Paramed above, who signed this	1404 Denver CO 80229 eld before me,	cott lugh , a Notary P, to me known and known to me to be the Inv Iged it to be his free act and deed.
Signature: Citizenship: US Address: 8199 Welby Road # State: CO City/County: 3romfor On April 11 2018 personally appeared Panamed above, who signed this	1404 Denver CO 80229 eld before me,	cott lugh , a Notary P, to me known and known to me to be the Inv lged it to be his free act and deed. SCOTT PUGH
Signature: Citizenship: US Address: 8199 Welby Road # State: City/County: 3romfin On April 11 2018 personally appeared Pa named above, who signed this Dec. 15 2021	1404 Denver CO 80229 eld before me,	cott fugh , a Notary P, to me known and known to me to be the Inv lged it to be his free act and deed. SCOTT PUGH NOTARY PUBLIC
Signature: Citizenship: US Address: 8199 Welby Road # State: City/County: 3romfin On April 11 2018 personally appeared Pa named above, who signed this Dec. 15 2021	1404 Denver CO 80229 eld before me,	celt Pugh , a Notary P, to me known and known to me to be the Inv lged it to be his free act and deed. SCOTT PUGH NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20174051415
Signature: Citizenship: US Address: 8199 Welby Road # State:	eld before me, Brayford assignment and acknowled	cott fugh , a Notary P, to me known and known to me to be the Inv lged it to be his free act and deed. SCOTT PUGH NOTARY PUBLIC STATE OF COLORADO
Signature: Citizenship: US Address: 8199 Welby Road # State: City/County: Sromfin On April 11 2018 personally appeared Panamed above, who signed this Dec. 15 2021	1404 Denver CO 80229 eld before me,	celt Pugh , a Notary P, to me known and known to me to be the Inv lged it to be his free act and deed. SCOTT PUGH NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20174051415

(4)	Legal Name of Inventor: Robert Fisher
(Signature:
	State:
	SCOTT PUGH NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20174051415 MY COMMISSION EXPIRES DECEMBER 15, 2021
	Legal Name of Inventor: Daniel A. Huber Signature:
	State:

Legal Name of Inventor: J	an Pruegner	Same and the same of the same	And the statement of th		
Signature:				Date: 20	. Osi -
Citizenship: DE Address: Karl-Marx-Stras	Martin Contraction of the Contra	s service de la companya de la compa	my		
Signed in the	presence of:	SebaSia.	L Fraulok	<u> </u>	
Witness Name			All the state of t	***]
Legal Name of Inventor: C	Tark Brace				
Legal Name of Inventor: C	Tark Brace				
Legal Name of Inventor: C Signature:				Date:	
Signature:				Date:	
Signature:	***************************************		······································	Date:	
Signature: Citizenship: US Address: 8411 W. 95th Dr	ive, Westmins	ter CO 80021	•••••••••••••••••••••••••••••••••••••••	Date:	
Signature: Citizenship: US Address: 8411 W. 95th Dr State: City/County:	ive, Westmins	ter CO 80021			
Signature: Citizenship: US Address: 8411 W. 95th Dr State: City/County:	ive, Westinins	ter CO 80021			: Notary P
Signature: Citizenship: US Address: 8411 W. 95th Dr State: City/County:	ive, Westinins	ter CO 80021			: Notary & ta be the Im
Signature: Citizenship: US Address: 8411 W. 95th Dr State: City/County On personally appeared named above, who signed	ive, Westinins	ter CO 80021			: Notary Pi to be the Inv
Signature: Citizenship: US Address: 8411 W. 95th Dr State: City/County:	ive, Westinins	ter CO 80021			: Notary C s to be the Imp

Page 5 of 9

PATENT REEL: 046367 FRAME: 0094

(6)	Legal Name of Inventor: Jan Pruegner	
	Signature:	Date:
	Citizenship: DE Address: Karl-Marx-Strasse 67 Dresden OT 0	1109 Germany
	Signed in the presence of:	
	Witness Name:]
(7)	Legal Name of Inventor: Clark Brace	
	Signature: Und O Brue	Date: 4/25/2018
	Citizenship: US Address: 8411 W. 95th Drive, Westminster CC	O 80021
	State: <u>CO</u>	
	City/County: <u>Broomfield</u> On April 25 2018 before me.	Scott Pugh, a Notary Public, to me known and known to me to be the Inventor
	personally appeared Clark Brace	to me known and known to me to be the Inventor
	1 dec 13 2 021	knowledged it to be his free act and deed.
	Commission Expiry Date 1	SCOTT PUGH
		NOTARY PUBLIC STATE OF COLORADO
	Notar) Public Signature (seal)	NOTARY ID 20174051415 MY COMMISSION EXPIRES DECEMBER 15, 2021

(8) Legal Name of Inventor: Keyin Dann	
Signature: ReWC—	Date: 6-7-18
Citizenship: US Address: 6017 S. Lima Way, Englewood, CO., 80	
Troenter named above, who signed this assignment of the control of	a Notary Public, to me known and known to me to be the nt and acknowledged it to be his free act and deed.
Commission Expiry Date Au Qual Notary Public Signature (seal)	TARA DEARD NOTARY PUBLIC STATE OF COLORADO NOTARY ID# 19944014079 MY COMMISSION EXPIRES 03-23-2028
(9) Legal Name of Inventor: Max Oelschlager	
Signature:	Date:
Citizenship: US Address: 1499 Blake St. Unit SL, Denver, CO 802	202
State:	
City/County:	, a Notary Public,
On before me,	, a Notary Public,
personally appeared Inventor named above, who signed this assignmen	to me kinga and kinga to me to be the
Commission Expiry Date	

Signature:	***************************************	Date:
Citizenship: US Address: 6017 S. Lima Way, Er	nglewood, CO., 8	30111
State:		
City/County:		a Notary Pu
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personally appeared	************************	to me known and known to me to be the Inve
named above, who signed this as	ssignment and ackpo	owledged it to be his free act and deed.
Commission Expiry Date		
Notary Public Signature	(seal)	
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Legal Name of Inventor: Max C	., ,	
Legal Name of Inventor; Max C	Delschlager	en 1 m/m m
Legal Name of Inventor; Max C	Delschlager	Date: 06/08/2018
Legal Name of Inventor: Max C	Delschlager	Date: <u>06/08/3018</u>
Legal Name of Inventor: Max C Signature: Lage Ols Citizenship: US	Delschlager Mingri	». 3
Legal Name of Inventor: Max C	Delschlager Mingri	». 3
Legal Name of Inventor: Max C Signature:	Delschlager Llaga Broomfield, CO	80020
Legal Name of Inventor: Max C Signature:	Delschlager Llaga Broomfield, CO	80020
Legal Name of Inventor: Max C Signature:	Delschlager Llaga Broomfield, CO	80020
Legal Name of Inventor: Max C Signature:	Delschlager Llaga Broomfield, CO	80020
Signature: //www. Olas Citizenship: US Address: 12881 S Princess Cir., State: Colorado City/County: Excity/Sounty: 12018 personally appeared Nacce	Delschlager Llage Broomfield, CO before me, 1	80020 Take Deard a Notary Pull to me known and known to me to be the Inven
Signature:	Delschlager Llage Broomfield, CO before me, 1	80020
Legal Name of Inventor: Max C Signature:	Delschlager Llage Broomfield, CO before me, 1	80020 Take Deard a Notary Pull to me known and known to me to be the Inven
Signature:	Delschlager Llage Broomfield, CO before me, 1	80020 Tava Peavel a Notary Pu Lo me known and known to me to be the Inver
Legal Name of Inventor: Max C Signature:	Delschlager Llage Broomfield, CO before me, 1	80020 ANOTARA DEARD
Legal Name of Inventor: Max C Signature:	Delschlager Llage Broomfield, CO before me, 1	80020 Tava Peavel a Notary Pu Lo me known and known to me to be the Inver

(10) Legal Name of Inventor: Todd Nelson	
Signature: Sul MMc	Date: 4/11/2018
Citizenship: US Address: 723 W. Hemlock Cir. Louisville CO	80027
State: CO City/County: Brownfield On Age II. 2018 before me	- Scott Puch a Notary Public
personally appeared <u>Tedd Velson</u> Inventor named above, who signed this assign	Scott Rugh a Notary Public, to me known and known to me to be the iment and acknowledged it to be his free act and deed.
Commission Expiry Date	SCOTT PUGH NOTARY PUBLIC STATE OF COLORADO NOTARY ID 20174051415
Notary Pullic Signature (seal)	MY COMMISSION EXPIRES DECEMBER 15, 2021
(11) Legal Name of Inventor: Nickolas C. Buccol	a
Signature: Michola C. Buc	ele
Citizenship: US Address: 5509 Old Town Ln. Gastonia, NC 28	8056
State: North Coroling City/County: Besser C. 14 G	return (a. D. South
personally appeared Nicholas C Inventor named above, who signed this assign	Buccola, to me known and known to me to be the iment and acknowledged it to be his free act and deed.
Comnission Expiry Date	
Jen-1 II. Son Notary Public Signature (seal)	
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	Noton Public Notons Public Notons Public Notons Public Notons Public Notons Public Notons Not
	William William

DOCKET NUMBER: HZ-155-US-10-NPR

(12) Legal Name of Inventor: Michael S. Goldberg
Signature: Muhael & Goldber Date: 4/2/18
Citizenship: US
Address: 7528 Sedgebrook Drive West Stanley, NC., 28164
State: North Caroling City/County: Bessemer City Carston On April 2nd 2014 before me, Semi for D. Sexton, a Notary Public, personally appeared Michael S Goldberg, to me known and known to me to be the Inventor named above, who signed this assignment and acknowledged it to be his free act and deed.
Commission Expiry Date
WINDENNIFE POPULA
Notary Public Signature (seal) Notary Public Signature (seal) Notary Public Signature (seal)
AROLINA MININ

DOCKET NUMBER: HZ-155-US-10-NPR

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby acknowledge the previous statements of the inventors and accept this assignment on behalf of **Hunter Douglas Inc**. I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

I am an officer of the above-ident	ified ASSIGN	EE,
I have signed this document on be ASSIGNEE.	chalf of ASSIG	NEE with the full authority of the
Dated: 124 9, 2018	Ву:	
	Name:	RICHARD GOTTUSO
	Title:	Vice President and General Counsel