

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5403413

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	CHAO LEIN LIU	03/04/2019
RECEIVING PARTY DATA		
Name:	BLACK & DECKER INC.	
Street Address:	1000 STANLEY DR	
City:	NEW BRITAIN	
State/Country:	CONNECTICUT	
Postal Code:	06053	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	29682304	
CORRESPONDENCE DATA		
Fax Number:	(410)630-9462	
<i>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.</i>		
Email:	Adan.ayala@sbdinc.com	
Correspondent Name:	STANLEY BLACK & DECKER, INC.	
Address Line 1:	6201 GREENLEIGH AVENUE, MR045	
Address Line 4:	MIDDLE RIVER, MARYLAND 21220	
ATTORNEY DOCKET NUMBER:	D-US-TN-2019-0119	
NAME OF SUBMITTER:	ADAN AYALA	
SIGNATURE:	/AdanAyala/	
DATE SIGNED:	03/04/2019	
Total Attachments: 2		
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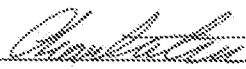
ASSIGNMENT

For valuable consideration, the receipt of which is hereby acknowledged by me/us, the undersigned, hereinafter referred to collectively as Assignor, agrees to sell and assign and does hereby sell and assign to BLACK & DECKER INC., a corporation organized and existing under the laws of the State of Delaware, U.S.A., having its principal place of business at 1000 Stanley Drive, New Britain, Connecticut 06053, U.S.A., its successors, assigns, nominees, or other legal representatives, the entire right, title, and interest in and to the Invention titled:

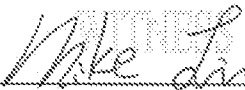
“VACUUM”

invented by the undersigned, having United States Patent Application Serial No. _____ filed on _____ and all original and reissued Patents granted therefor, and all divisions and continuations thereof, including the subject matter of any and all claims which may be obtained in every such Patent, and the right to apply for and obtain Patents, Utility Model Registrations, and Inventor's Certificates in countries foreign to the United States, and in and to any Patent, Utility Model Registration, or Inventor's Certificate which may be granted thereon in such foreign countries, including all priority rights under the International Convention associated therewith for each country that is a party to such International Convention, and authorize and request the Director of the United States Patent & Trademark Office, and any official of any country or countries foreign to the United States, whose duty it is to issue Patents, Utility Model Registrations, and Inventor's Certificates as aforesaid, to issue the said Patent, Utility Model Registration, or Inventor's Certificate to BLACK & DECKER INC., its successors, assigns, nominees, or other legal representatives, as assignee of the entire interest, and covenant, that I/we have full right to convey the entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and agree that I/we will communicate to BLACK & DECKER INC., its successors, assigns, nominees, or other legal representatives, all facts known to me respecting said Invention, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and do all lawful acts requisite for the application for such divisional, continuing, or reissue applications, or the procuring thereof, and that if and when BLACK & DECKER INC., its successors, assigns, nominees, or other legal representatives desire to file a disclaimer relating thereto, I/we will, upon request, sign all

lawful papers requisite for the filing of such disclaimer, and I/we further covenant and agree that I/we will, at any time upon request, do everything legally possible to aid BLACK & DECKER INC., its successors, assigns, nominees, or other legal representatives, either in its or their own name, to apply for, obtain, defend, and enforce any Patent, Utility Model, and/or Inventor's Certificate for said Invention in all countries, all without further consideration but at the expense of said BLACK & DECKER INC., its successors, assigns, nominees, or other legal representatives.


CHAO LIEN LIU

Date: Mar 4, 2019



Date: 2019. 3. 4