501823863 02/17/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Qiang J. Zhang	10/24/2005
Daniel H. Sides Jr.	10/24/2005

RECEIVING PARTY DATA

Name:	Black and Decker, Inc.
Street Address:	1207 Drummond Plaza
City:	Newark
State/Country:	DELAWARE
Postal Code:	19711

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12723243

CORRESPONDENCE DATA

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Mail.

Correspondent Name: K&L Gates LLP - Brian T. Geisler

Address Line 1: 210 SIXTH AVENUE Address Line 2: K&L Gates Center

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613

ATTORNEY DOCKET NUMBER:	050541CON
NAME OF SUBMITTER:	Brian T. Geisler

Total Attachments: 3

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PATENT REEL: 027721 FRAME: 0272 H \$40 00 12723

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Attorney's Docket No.	050541	·····	***************************************		PATEN
		For: For: For:	W.S. and/or		•
As	SSIGNMENT OF INV	/ENTION	I (MULTIPLE INVENT	ORS)	
receipt of which is nereby	acknowledged, and I	NEE to A for other	ASSIGNOR of the sum good and valuable co	of One	Dollar (\$1.00), the tion,
ASSIGNORS (Inventors):					
Qiang J. Zhang type or print name of inventors)		••••	81 Roger Valley Cou Baltimore, MD 2123 Address	14 P	eople's Rep. of China Nationality
Daniel H. Sides, Jr.		••••	15571 Hale Drive New Freedom, PA 1	7349	USA
		·····		•	
				~	

REEL: 027721 FRAME: 0273

8&D Advance Develop

hereby sells, ass	igns and transfers to		
ASSIGNEE:			
Black and Decke (type or print name(s)	r, Inc. of ASSIGNEE(S))	1207 Drummond Plaz Address	a
(a Delaware Corr Nationality	poration)	Newark, DE 19711	
and the successo	rs, assigns and legal represent	atives of the ASSIGNE	E
	(complete	one of the following)	
the er	ntire right, title and interest		
and its territorial p	ndivided per ossessions	cent (.%) interest for the United States
	(check the following box, if fo	oreign rights are also to	be assigned)
improvements wh A POWERED AP	nd in all foreign countries, includich are disclosed in the invention PARATUS	ding all rights to claim p n entitled: VIBRATIO	riority, in and to any and all ON DAMPENING HANDLE FOR
	(check and complete	(a), (b), (c), (d), (e), (f)	or (g))
and which is found	fin		
(a) 🛛 U.S. p	atent application executed on e	ven date herewith	
(b) 🔲 U.S. p	atent application executed on _		
	rovisional application naming th		
	press mail label no.:		
Ma	ailed:		·
narecy	nply with 37 CFR 3.21 for record authorize and request my air of the second known.	dal of this assignment, forney to insert below	I, an ASSIGNOR signing below, the filing date and application
(d) 🔲 U.S. ap	oplication no.: filed on		
(e) 🗌 interna	tional application no. PCT /		
(f) U.S. pa	itent no.	issued	
□ A		correspondence is	to be sent regarding patent
	(also check (g), if foreign app	lication(s) is also being	assigned)
(g) ⊠ and any in and t	r legal equivalent thereof in a foo, all Letters Patent to be obtain	ned for said invention t	g the right to claim priority and, by the above application or any
21 -page 2)		(wasifiration) of m	vention-Multiple inventors [16-

PATENT REEL: 027721 FRAME: 0274 continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal on the date(s) indicated below:

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Qiang J. Zhang	Riang J. Thomas	10/24/05
(type name of Inventor)	Signature of INVENTOR	Date
Daniet H. Sides, Jr. (type name of inventor)	Signature of INVENTOR	<u>/0/24/o</u> S Date
,		Daile

Notarization or Legalization Page Added.

NOTE

No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facile evidence of execution, 35 USC 261. Use next page if notarization is desired.

(Assignment of Invention-Multiple Inventors [15-