

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mehdi Abolhassani</td> <td>05/22/2007</td> </tr> <tr> <td>Shailesh P. Waikar</td> <td>05/22/2007</td> </tr> <tr> <td>Ren H. Wang</td> <td>05/22/2007</td> </tr> <tr> <td>Uday S. Deshpande</td> <td>05/22/2007</td> </tr> </tbody> </table>		Name	Execution Date	Mehdi Abolhassani	05/22/2007	Shailesh P. Waikar	05/22/2007	Ren H. Wang	05/22/2007	Uday S. Deshpande	05/22/2007
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Shailesh P. Waikar	05/22/2007										
Ren H. Wang	05/22/2007										
Uday S. Deshpande	05/22/2007										
RECEIVING PARTY DATA											
Name:	BLACK & DECKER INC.										
Street Address:	1207 Drummond Plaza										
City:	Newark										
State/Country:	DELAWARE										
Postal Code:	19711										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11751790</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11751790						
Property Type	Number										
Application Number:	11751790										
CORRESPONDENCE DATA											
Fax Number:	(248)641-0270										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(248) 641-1600										
Email:	cshelby@hdp.com										
Correspondent Name:	Harness, Dickey & Pierce, P.L.C.										
Address Line 1:	P.O. Box 828										
Address Line 4:	Bloomfield Hills, MICHIGAN 48303										
ATTORNEY DOCKET NUMBER:	0275K-001194/US										
NAME OF SUBMITTER:	Mark D. Elchuk										
Total Attachments: 3 source=Assignment_As_Filed#page1.tif											

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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, 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 1207 Drummond Plaza, Newark, Delaware 19711, U.S.A., its successors, assigns, nominees, or other legal representatives, the entire right, title, and interest in and to the IMPROVEMENTS IN:

**ELECTRONICALLY COMMUTATED MOTOR AND CONTROL SYSTEM
EMPLOYING PHASE ANGLE CONTROL OF PHASE CURRENT**

invented by me and the United States Patent application Serial No. _____, filed therefor, executed concurrently herewith, 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 Letters 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 of the Union, and authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue the said Letters Patent, Utility Model Registration, or Inventor's Certificate to the said BLACK & DECKER INC., its successors, assigns, nominees, or other legal representatives, as assignee of the entire interest, and covenant that I have full right to convey the entire interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith, and agree that I will communicate to said Corporation, 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 said 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 said Corporation, its successors, assigns, nominees, or other legal representatives, either in its or their own name, to apply for, obtain, and enforce patent, Utility Model, and/or Inventor's Certificate protection for said improvements in all countries, all without further consideration but at the expense of said BLACK & DECKER INC., its successors, assigns, nominees, or other legal representatives.



INVENTOR #1 MEHDI ABOLHASSANI

Date: 05/22/07

WITNESSES:

X 

X 

Date: May 22, 2007

Date: 5/22/07

Spwaikal.
INVENTOR #2 SHAILESH P. WAIKAR

Date: 22 May 2007

WITNESSES:

X [Signature]
Date: 05/22/07

X Curani Polgani
Date: 5/22/07.

Renheng Wang
INVENTOR #3 REN H. WANG

Date: 05/22/07

WITNESSES:

X [Signature]
Date: 5/22/07

X [Signature]
Date: 5-22-07

[Signature]
INVENTOR #4 UDAY S. DESHPANDE

Date: 5/22/07

WITNESSES:

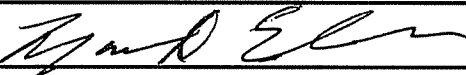
X [Signature]
Date: 5/22/07

X [Signature]
Date: 5/22/07

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	11/751,790
	Filing Date	May 22, 2007
	First Named Inventor	Mehdi Abolhassani et al.
	Art Unit	To Be Assigned
	Examiner Name	To Be Assigned
Total Number of Pages in This Submission	Attorney Docket Number	0275K-001194/US

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> <p style="text-align: center;">Assignment</p>
<input type="checkbox"/> Remarks		The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 02-2548. A duplicate copy of this sheet is enclosed.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	Harness, Dickey & Pierce, P.L.C.		
Signature			
Printed name	Mark D. Elchuk		
Date	May 23, 2007	Reg. No.	33,686

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name		Express Mail Label No.	
Signature		Date	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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RECORDED: 05/23/2007

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