Form PTO-1595
(Rev. 10/02)
OMB No. 0651-0027 (exp. 6/30/2005)

To the Honorable Commissioner of Patents and Trademarks: Please record and Computer of Copy thereof.

1. Name of conveying party(ies):
KUNTZE, Helge-Bjorn
JACUBASCH, Andreas
FREY, Christian
PLIETSCH, Reinhard

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To the Honorable Commissioner of Patents and Trademarks: Pie	ease record are consciented original documents or copy thereof.		
Name of conveying party(ies):			
KUNTZE, Helge-Bjorn	2. Name and address of receiving party(ies)		
JACUBASCH, Andreas FREY, Christian	Name: (1) FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN		
JACUBASCH, Andreas FREY, Christian PLIETSCH, Reinhard	FORSCHUNG E.V.		
	Street Address: (1) Leonrodstr. 54, 80636, München,		
	Germany		
Additional name(s) of conveying party(ies) attached? Yes No	Name: (2) BLACK & DECKER		
Nature of conveyance:	Street Address: (2) Drummond Plaza Office Park		
☑ Assignment ☐ Merger	1423 Kirkwood Highway, Newark,		
	Deleware, 19711		
☐ Security Agreement ☐ Change of Name			
☐ Other			
Execution Date: July 28, 31, 2003.	Additional name(s) & address(es) attached? ☐ Yes ☒ No		
	` ´		
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 Registration No.(s)		
10/362,937 Filed February 27, 2003			
10/302,937 Filed February 27, 2003			
10062937			
Additional number(s) atta	ached ☐ Yes ☒ No		
5. Name and address of party to whom correspondence	-		
concerning document should be mailed:	Total number of applications and patents involved		
Name: Antonelli, Terry, Stout & Kraus, LLP	7. Total fee (37 CFR 3.41) \$ 40.00		
	⊠ Enclosed		
Internal Address:	☑ Authorized to be charged to deposit account		
1300 North Seventeenth Street			
Suite 1800 Arlington, VA 22209	8. Deposit account number:		
USA			
	01-2135		
City: State: Zip:	(Attach duplicate copy of this page if paying by deposit account)		
BO 1107 1107			
9. Statement and signature.	HIS SPACE		
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.			
Donald E. Stout Reg#26,422	09/02/2003		
Name of Person Signing Signature	Date		
Total number of pages including cover sheet, attachments, and document:			

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patent & Trademarks, Box Assignments

Washington, D.C. 20231

PATENT REEL: 014472 FRAME: 0127

ASSIGNMENT

ATTY. DOCKET NO .: 785.42417X00

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

OPTIMIZING METHOD FOR REGULATING THE OPERATING STATE OF A GUIDED MACHINE TOOL HAVING A ROTATING PERCUSSION TOOL DURING A BORING

PR	OCESS		
	for which an application fo	r Letters Patent to be filed i	in the United States Patent and Trademark Office was executed on even date.
	for which U.S. Application	Serial No.	for Letters Patent was filed in the U.S. Patent and Trademark Office on
X	for which an International		August 30, 2001 as PCT/EP01/10018 , designating the United States chaft zur Förderung der angewandten Forschung e.V., Leonrodstr. Germany
		Black & Decker Dru Deleware, 19711 US	ımmond Plaza Office Park 1423 Kirkwood Highway, Newark A
nc lu enev	ding any and all divisions an vals, reissues, reexamination	d continuations thereof, and s and extensions thereof.	iring the entire right, title, and interest in and to said invention and application, I any and all Letters Patent which may be granted thereon, including any and all ion, the receipt whereof is hereby acknowledged, ASSIGNOR hereby assigns, sells,
		ssigns and legal representati	ives, the entire and exclusive right, title and interest in and to said invention and

application; including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, and in and to any and all priority and/or convention rights or benefits accruing or to accrue with respect to the filing or securing of patents in the United States and/or any countries foreign thereto, SAID ASSIGNEE, its assigns and legal representatives to have, hold, exercise, and enjoy said invention and application, including any and all divisions and continuations thereof, and any and all Letters Patent which may be granted therefor, including any and all renewals, reissues, reexaminations and extensions thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such Letters Patent when granted, including any and all renewals, reissues, reexaminations and extensions thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, in as ample and beneficial a manner to all intents and purposes as the ASSIGNOR might or could have held and enjoyed the same, if the assignment had not been made.

AND ASSIGNOR hereby agrees to execute all papers that may be necessary to file applications in the United States and foreign countries for said invention and to assign the same to said ASSIGNEE, its assigns and legal representatives and to execute any other papers that may be needed in connection with filing said applications and securing Letters Patents thereon.

AND ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks to issue a Letters Patent on said application, and on any and all divisions and continuations thereof, to ASSIGNEE, its assigns and legal representatives, in accordance herewith.

The undersigned hereby grant(s) the law firm of Antonelli, Terry, Stout, Kraus, LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

	IN TESTIMONY WHEREOF this assignment is execu	nted by ASSIGNOR.	
201	FULL NAME OF SOLE OR FIRST NAMED INVENTOR Dr. Helge-Björn KUNTZE	DIVENTOR'S SKINATURE	DATE 28,07.03
202	full name of second joint inventor Christian FREY	INVENTOR'S SIGNATURE	31/07/03
203	FULL NAME OF THIRD JOINT INVENTOR AND	INVENTOR'S SKINATURE A. J. SOUL	31107103
204	full name of fourth joint inventor Dr. Reinhard PLIETSCH	INVENTOR'S SIGNATURE	DATE
205	FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
206	FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
207	full name of Seventh joint inventor	DIVENTOR'S SIGNATURE	DATE

TZPATENTS 66++: NOA REEL: 014472 FRAME: 0128

21416091270:

10/10.9 275#

ASSIGNMENT

ATTY. DOCKET NO.: 785.42417X00

WHEREAS the below named inventor (if only one inventor is named below) or inventors (if plural inventors are named below) hereinafter referred to as the ASSIGNOR invented a certain improvement relating to

OPTIMIZING METHOD FOR REGULATING THE OPERATING STATE OF A GUIDED MACHINE TOOL HAVING A ROTATING PERCUSSION TOOL DURING A BORING

PRO	OCESS				•
	for which an application for	r Letters Patent to be filed	in the United States Par	tent and Trademark Office	was executed on even date.
	for which U.S. Application	Serial No.	for Letters Pater	nt was filed in the U.S. Pate	nt and Trademark Office on
\boxtimes	for which an International A		chaft zur Förderui	as PCT/EP01/10018 ng der angewandten F	, designating the United States orschung e.V., Leonrodstr.
		Biack & Decker Dru Deleware, 19711 US		fice Park 1423 Kirkwo	ood Highway, Newark
include renew NOW and the application of tenth as asserting extension of tenth as a same and a same	ding any and all divisions and vals, reissues, reexaminations vals, reissues, reexaminations vals, reissues, reexaminations val	d continuations thereof, and and extensions thereof. od and valuable considerates signs and legal representated divisions and continuations axaminations and extensionate to the filing or securing of est to have, hold, exercise, and all Letters Patent which and the spowers, privileges and as Patent when granted, ince dits assigns and legal repreheld and enjoyed the same, to execute all papers that mane to said ASSIGNEE, its aid applications and securing requests the Commissiones thereof, to ASSIGNEE, it the law firm of Antonelli, T	d any and all Letters Pation, the receipt whereoftives, the entire and excess thereof, and any and a set thereof, and in and to five patents in the United Stand enjoy said invention may be granted thereford advantages in anywise cluding any and all rene escentatives, in as ample as if the assignment had may be necessary to file assigns and legal represent patents thereof patents and Trader to face assigns and legal represents, Stout, Kraus, LLI	atent which may be granted of is hereby acknowledged, a clusive right, title and interestall Letters Patent which may any and all priority and/or states and/or any countries for an application, including, including any and all renest arising from or appertaining wals, reissues, reexaminated and beneficial a manner to not been made. applications in the United Secontatives and to execute a con. marks to issue a Letters Pateresentatives, in accordance of the power to insert on this	wals, reissues, reexaminations and ag thereto, for and during the term ons and extensions thereof, for the all intents and purposes as the States and foreign countries for my other papers that may be ent on said application, and on any herewith.
	IN TESTIMONIV WILL	EDEAE this assignment is a	executed by ASSIGNO	D	

IN TESTIMONY WHEREOF this assignment is executed by ASSIGNOR.

RECORDED: 09/02/2003

201	full name of sole or first named inventor Dr. Helge-Björn KUNTZE	INVENTOR'S SKINATURE	DATE
202	FULL NAME OF SECOND JOINT INVENTOR Christian FREY	INVENTOR'S SIGNATURE	DATE
203	FULL NAME OF THIRD JOINT INVENTOR Andreas JACUBASCH	INVENTOR'S SIGNATURE	DATE
204	FULL NAME OF FOURTH JOINT INVENTOR DT. Reinhard PLIETSCH	NVENTOR'S SIGNATURE R. Philoch	DATE 4.8.2003
205	FULL NAME OF FIFTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
206	FULL NAME OF SIXTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
207	FULL NAME OF SEVENTH JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE

PATENT REEL: 014472 FRAME: 0129