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-	1. Name of Conveying party(ies):	2. Name and address of Receiving Party(ies)	
C	Richard M. Andrews, Bradley J. Miller, Marcus R. Skeem, Ren-Kae Shiue	NORTON COMPANY	
62	Ken-Kat Sinde	1 New Bond Street, Box Number 15138	
S	Additional name(s) of conveying Party(ies) attached?	Worcester, Massachusetts 01615-0138	
5	[] Yes [x] No	Additional name(s) & address(es) attached? [] Yes [x] No	
	3. Nature of conveyance:		
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	[X] Assignment [] Merger [] Security Agreement [] Change of Name		
	[] Other		
	Execution Date:		
ĺ	4. Application number(s) or Patent numbers(s):		
ľ	If this document is being filed together with a new application,		
	the execution date of the application is:		
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	A. Patent Application No.(s) 09/231,922, filed January 14, 1999	B. Patent No.(s):	
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┠	Additional numbers attached? [] Yes [x] No		
]	 Name and address of party to whom correspondence concerning document should be mailed: 	6. Total number of applications and patents involved: _1_	
	document should be malled:		
Ű	Mary E. Porter, Esq.		
	Intellectual Property Law Department, M/S 412/101 NORTON COMPANY		
	1 New Bond Street, Box Number 15138		
ĺ	Worcester, MA 01615-0138 USA		
		7. Total fee (37 CFR 3.41): \$40.00	
		(V) Authorized to be shared to denote account	
		[X] Authorized to be charged to deposit account	
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	9. Statement and signature. 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.		
	Mary E. Porter, Reg. No. 33,440 Mary 2. Forty 4-8-97		
	Name of Person Signing / Signature Date		
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PATENT REEL: 9887 FRAME: 0004

ASSIGNMENT OF PATENT RIGHTS

WHEREAS the undersigned inventor/s,

Richard M. Andrews, 56 Upton Road, Westborough, Massachusetts 01581 Bradley J. Miller, 55 Fisher Street, Westboro, Massachusetts 01581 Marcus R. Skeem, 9910 Aplomado Drive, Sandy, Utah 84092 Ren-Kae Shiue, 2F 34 Ln90 Anho Road Sec. 1, P.O. Box 26-1297, Taipei, Taiwan 106 has/have made an invention described and set forth in an application for U.S. LETTERS PATENT, Serial No. 08/920,242, filed August 28, 1997 identified by Norton Company docket no. BD-03415/3482 entitled Bond For Abrasive Tool and executed prior to or contemporaneously with this application, and WHEREAS NORTON COMPANY, a corporation duly organized and existing under the laws of the Commonwealth of Massachusetts and having its principal place of business at Worcester, Massachusetts, is desirous of acquiring the entire right, title, and interest in and to said application and the invention described therein and in and to any and all LETTERS PATENT that may be issued thereon in the UNITED STATES OF AMERICA and in any foreign country: NOW THEREFORE, in consideration of the sum of one dollar and other valuable considerations, receipt of which is hereby acknowledged, the undersigned inventor/s hereby sell, assign, and transfer unto the said NORTON COMPANY and its successors and

transfer unto the said NORTON COMPANY and its successors and assigns the entire right, title, and interests of said inventor/s in and to said application and the invention therein described, together with the entire right, title, and interest in and to all LETTERS PATENT, including reissues, divisions, renewals, continuations and continuations-in-part or other derived applications thereof which may be obtained in the UNITED STATES OF AMERICA upon said invention, and the entire right, title, and interest in and to all applications for LETTERS PATENT in all countries foreign to the United States and all LETTERS PATENT issued thereon, including the right to claim for any corresponding foreign application the priority of the said application.

The undersigned inventor/s hereby authorize and request the COMMISSIONER OF PATENTS AND TRADEMARKS of the UNITED STATES of AMERICA and the corresponding officers of foreign governments to

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issue all LETTERS PATENT granted thereon in accordance with this assignment.

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The undersigned inventor/s furthermore agree to sign all papers and do all reasonable acts necessary to obtain and defend such LETTERS PATENT and to vest the title thereto in the assignee named herein, but without expense to said inventor/s.

First inventor signature Juno W.M.			
Richard M. Andrews			
Witness Summe G. Gentream Date 12/1/97			
Witness Summe C. Centrean Date 12/1/97			
Second inventor signature Bradler A Mul			
A Bradley J. Miller			
Witness Juganne C. Con hour Date 12/5/97			
Witness Vluganne (Condiana Date 1/ 5/97			
Third inventor signature Marcus R. Skeem			
Malcus R. Skeem			
Witness Anth A. Chaner Date 12-8-97			
Fourth inventor signature <u>Penkcue Shiue</u> Ren-Kae Shiue			
Witness V My My thm Date Nov. 181997.			

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RECORDED: 04/12/1999