Form PTO-1595 (Rev. 03/01) RECOR	U.S. Patent and Tradema	ark (
OMB No. 0651-0027 (exp. 5/31/2002)		
Tab settings	Pease Record the attached original documents or copy there	of.
Name of conveying party(ies):	Name and address of receiving party(ies)	
Kenneth Elmon Koch III 02/13/02	Name: University of North Carolina at Charlotte	
02/10/-	Internal Address:	
Additional name of conveying party(ies) attached? ☐ Yes ☒ No	9201 University City	
Nature of conveyance:	Street Address:	_
☐ Security Agreement ☐ Change of Name ☐ Other	City: Charlotte State: NC Zip:	2
Execution Date: 02/13/02	Additional Name(s) & address(es) attached? ☐ Yes	ΙXΊ
If this document is being filed together with a new applicati A. Patent Application No.(s)	on, the execution data of the application is: B. Patent No.(s)	
A. Patent Application No.(s) Additional numbers a	B. Patent No.(s) tached? □ Yes ☑ No	
A. Patent Application No.(s)	B. Patent No.(s)	 1)
A. Patent Application No.(s) Additional numbers at the second	B. Patent No.(s) tached? □ Yes ☑ No	 11
A. Patent Application No.(s) Additional numbers at the second seco	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved:	1]
A. Patent Application No.(s) Additional numbers at the second se	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40.00	1
A. Patent Application No.(s) Additional numbers at the second se	B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed	 1]
A. Patent Application No.(s) Additional numbers at the second street Address: Additional numbers at the second street Address: Additional numbers at the second street Address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. [48,234] Internal Address: KILPATRICK STOCKTON LLP Street Address: 3500 One Wachovia Center	B. Patent No.(s) ttached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to deposit account	1]
A. Patent Application No.(s) Additional numbers at the state of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. [48,234] Internal Address: KILPATRICK STOCKTON LLP Street Address: 3500 One Wachovia Center 301 S. College St.	B. Patent No.(s) ttached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 16-1435	
A. Patent Application No.(s) Additional numbers at the state of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. [48,234] Internal Address: KILPATRICK STOCKTON LLP Street Address: 3500 One Wachovia Center 301 S. College St. City: Charlotte State: NC Zip: 28202-6001	B. Patent No.(s) ttached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 16-1435 (Attach duplicate copy of this page if paying by deposit	
A. Patent Application No.(s) Additional numbers at the state of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. [48,234] Internal Address: KILPATRICK STOCKTON LLP Street Address: 3500 One Wachovia Center 301 S. College St. City: Charlotte State: NC Zip: 28202-6001	B. Patent No.(s) ttached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 16-1435	
A. Patent Application No.(s) Additional numbers at the state of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. [48,234] Internal Address: KILPATRICK STOCKTON LLP Street Address: 3500 One Wachovia Center 301 S. College St. City: Charlotte State: NC Zip: 28202-6001	B. Patent No.(s) ttached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 16-1435 (Attach duplicate copy of this page if paying by deposit	
A. Patent Application No.(s) Additional numbers at the Additional numbers at the Additional numbers at the Address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. [48,234] Internal Address: KILPATRICK STOCKTON LLP Street Address: 3500 One Wachovia Center 301 S. College St. City: Charlotte State: NC Zip: 28202-6001 DO NOT US 9. Statement and signature. To the best of my knowledge and belief, the foregoing infois a true copy of the original document.	B. Patent No.(s) ttached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 16-1435 (Attach duplicate copy of this page if paying by deposit account is true and correct and any attached copy	
A. Patent Application No.(s) Additional numbers at the Additional numbers at the Additional numbers at the Address of party to whom correspondence concerning this document should be mailed: Name: Christopher L. Bernard, Esq. [48,234] Internal Address: KILPATRICK STOCKTON LLP Street Address: 3500 One Wachovia Center 301 S. College St. City: Charlotte State: NC Zip: 28202-6001 DO NOT US 9. Statement and signature. To the best of my knowledge and belief, the foregoing info	B. Patent No.(s) ttached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to deposit account 8. Deposit account number: 16-1435 (Attach duplicate copy of this page if paying by deposit	

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

Docket No.: 46872.269148

ASSIGNMENT

WHEREAS, Kenneth Elmon Koch III (hereinafter referred to as "ASSIGNOR") have invented certain new and useful improvements in an invention entitled:

BOOLEAN PROCESSOR

	for which a Nonprovisional application for a United States Patent was filed with		
	the United States Patent and Trademark Office on, Nonprovisional		
	Application Number		
\boxtimes	for which an application for a United States Patent is being submitted to the		
	United States Patent and Trademark Office herewith; and		

WHEREAS, University of North Carolina at Charlotte, 9201 University City Boulevard, Charlotte, NC 28223-0001 (hereinafter referred to as the "ASSIGNEE"), is desirous of acquiring the entire right, title and interest in and to said invention, and in and to said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sells and transfers to said ASSIGNEE, and to ASSIGNEE'S successors and assigns, ASSIGNOR'S entire right, title and interest in and to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any patent application claiming priority to the application, or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term of terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

CLTLIB01 648328.1

PATENT REEL: 012608 FRAME: 0446 ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative 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 in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 13th day of February, 2002.

Kenneth Elmon Koch III

State of North Carolina)
)
County of Mecklenburg)

Then personally appeared the above named **Kenneth Elmon Koch III**, who acknowledged the foregoing instrument to be his free act and deed, before me, this 13th day of February, 2002.

Notary Public

My Commission Expires August 20, 2004

KATHRYN A. SAUNDERS - SNYDER

PUDLIC COUNTY, INTERIOR OF THE PROPERTY OF THE

RECORDED: 02/13/2002

2