FORM PTO-16 Expires 06/30/99 OMB 0651-0027	TE		1-30-20				U.S. Department of Comme Patent and Trademark Offic
OMB 0651-0027	(O)						PATENT
OCT	3 0 2000 E	<u> </u>	1015321	02			
PART	RI		TION FORM		R SHEET		
TO: The Commb	Science of Patents and	Trademark	PATENTS s: Please reco	ONLY	ched origina	l docu	ment(s) or copy(ies).
Submission T	ype U		Convoyance	е Туре		. uooui	nent(s) or copyties).
New	, Ic	30.0	✓ Assignn	nent	Security	y Agree	ement
Resubmiss Document	ion (Non-Recordation) ID#		License		Change	of Nan	ne
1 1	of PTO Error		Merger	Г	Other	-	
Reel # Corrective	Frame # Document			(For Use ON	U.S. Govern ILY by U.S. Gov	ment	Agonology
Reel #	Frame #		[mental File		Secret File
Conveying Pa	rty(ies)		Mark if ad	ditional nam	es of conveyi	ng partie	
Name (line 1) K	eith E. Arthurs						Month Day Yea 09 27 2000
Name (line 2)							
Second Party Name (line 1)							Execution Date Month Day Yea
Name (line 2)							
	-						
Receiving Par				Mark if	f additional na	mes of r	eceiving parties attached
Name (line 1) Ze	arx, LLC						If document to be receiving party is not
Name (line 2)							domiciled in the Unite States, an appointmen
Address (line 1) 20	0413 Sunbright Lane						of a domestic representative is attac
Address (line 2)	749						(Designation must be separate document fro Assignment.)
Address (line 3) G							————
	City		Maryland State/C	ountry		0874 Zip Co	ode
Domestic Rep	resentative Name	and Add	dress	Enter for the	e first Receivir	ng Party	only.
Name					······································		
Address (line 1)							
Address (line 2)							
Address (line 3)		70					
Address (line 4)							
<u></u>							

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Commissioner of Patents and Trademarks, Box Assignments , Washington, D.C. 20231

40.00 DP/

Q1 FC:581

PATENT

REEL: 011278 FRAME: 0862

FORM PTO Expires 06/30/99 OMB 0651-0027)-1619B	Page 2		Department of Commerce of and Trademark Office	
Correspond	ent Name and Address	Area Code and Telephone Number	301-424-36	40	
Name	Stuart B. Shapiro				
Address (line 1)	ess (line 1) Epstein, Edell, Shapiro & Finnan, LLC				
Address (line 2)	1901 Research Boulevard				
Address (line 3)	Suite 400				
Address (line 4)	Rockville, Maryland 20850				
Pages	Enter the total number of pa including any attachments.	ges of the attached conveyance docu	ment #	2	
Application	Number(s) or Patent Nur	mber(s) Mark if	f additional nur	mbers attached	
		Patent Number (DO NOT ENTER BOTH number:		· · · ·	
	ent Application Number(s)	Pater	nt Number(s	s)	
09598517					
	s being filed together with a <u>new</u> Pate st named executing inventor.	ent Application, enter the date the patent applicat	tion was	Month Day Year	
Patent Coop	peration Treaty (PCT)	<u></u>			
Ente	er PCT application number	PCT PCT	PC	T	
only if a U.S. Application Number PCT PCT PCT					
	not been assigned.				
Number of Properties Enter the total number of properties involved. # 1					
Fee Amount	Fee Amount	for Properties Listed (37 CFR 3.41):	\$ 40.00		
	of Payment: Encl	osed 🖊 Deposit Account			
	Account newment by deposit account or if add	litional fees can be charged to the account)			
(Enter for payment by deposit account or if additional fees can be charged to the account.) Deposit Account Number: # 05-0460					
		Authorization to charge additional fees:	Yes 🗸	No	
Statement a	nd Signature				
		elief, the foregoing information is true original document. Charges to deposi			
	ed copy is a true copy of the t led herein.	ga. accamona charges to acposi	. account a	. J aminorizou, GJ	
		Stand R Dan:	1	lantaur	
Stuart B. S		Simotor O. May		27 2000	
Name	of Person Signing	Signature		Date	

PATENT REEL: 011278 FRAME: 0863

ASSIGNMENT

WHEREAS, I, Keith E. Arthurs, residing at 20413 Sunbright Lane, Germantown, Maryland 20874, have invented certain new and useful improvements in Network Search Engine and Navigation Tool and Method of Determining Search Results in Accordance with Search Criteria And/Or Associated Sites, for which a patent application for United States Letters Patent

	_is attached hereto, assigned attorney	docket number		-
X	was filed on June 21, 2000 as United	l States Application S	Serial No.	09/598,517

WHEREAS, Zerx, L.L.C., a limited liability company of the State of Maryland, having a place of business at 20413 Sunbright Lane, Germantown, Maryland 20874, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) in hand paid and other valuable consideration, the receipt whereof is hereby acknowledged, I have sold, assigned and transferred, and by these presents do sell, assign and transfer unto Zerx, L.L.C. the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted thereon in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all non-provisional applications, divisions, reissues, continuations and extensions thereof pertaining to said invention.

I hereby authorize and request the Patent and Trademark Office officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Zerx, L.L.C., as the assignee of the entire interest in and to the same, for the sole use and behalf of Zerx, L.L.C., its successors and assigns.

FURTHER, I agree that I will communicate to Zerx, L.L.C., or its representatives, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all non-provisional, divisional, continuation, substitution, renewal and reissue applications pertaining to said invention, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to Zerx, L.L.C., make all rightful oaths and generally do everything possible to aid Zerx, L.L.C., its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

Page 1 of 2

IN TESTIMONY WHEREOF, I have hereunto set my hand.

<u>9/27/00</u> Date	Keith E. Arthurs
On this 2000, day of 2000, Keith E. Arthurs and known to me to be the perso instrument and acknowledged the same to be his fin said instrument.	
	Willin Sand
	NOTARY PUBLIC
(SEAL)	My Commission Expires:
NOT My Co	WILLIAM JONES TARY PUBLIC STATE OF MARYLAND pmmission Expires December 7, 2003
The foregoing Assignment is hereby accep	oted by Zerx, L.L.C
9/27/00 Date	Kull C. Lithur Keith E. Arthurs, President Zerx, L.L.C.

Page 2 of 2

RECORDED: 10/30/2000

PATENT REEL: 011278 FRAME: 0865