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HEET

Post Office Box 7068 Pasadena, CA 91109-7068

Box Assignment Commissioner of Patents and Trademarks Washington, D.C. 20231

Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof:

	imissioner of ratems and Trademarks. Flease record	to the attached original documents of copy thereof.		
1.	Name of conveying party(ies):	2. Name and address of receiving party(ies):		
	Adam K. Kolawa, Stephen Frankini, Skirmantas Kligys, Emelina Gesheshyen, Maxim E. Troukhan	Name: PARASOFT CORPORATION Street Address:		
	Additional name(s) of conveying party(ies) attached: no	2031 South Myrtle Avenue, Monrovia, California 91016-4836		
3.	Name of conveyance:	7		
X	Assignment			
Ęxe	ecution Date: 28 June 1999	Additional name(s) & address(es) attached? no		
4.	Application number(s) or patent number(s):	09/340518		
•	If this document is being filed together with a new application, the execution date of the application is: 28 June 1999			
	A. Patent Application No.(s)	B. Patent No.(s)		
Additional numbers attached? no				
5.	Please return the recorded document and address all correspondence to:	6. Total number of applications and patents involved 1		
	CHRISTIE, PARKER & HALE, LLP			
	P.O. Box 7068 Pasadena, CA 91109-7068	7. No Total fee enclosed (37 CFR 3.41): \$40.00		
,	Attention: LeRoy T. Rahn	8. K Any deficiency or overpayment of fees should be charged or		
		credited to Deposit Account No. 03-1728, except for payment of issue fees required under 37 CFR § 1.18. Please show our docket		
10.	☐ Explanatory letter is enclosed.	number with any credit or charge to our Deposit Account.		
9.	Statement and signature. To the best of my knowledge and belief, the foregoing original document.	g information is true and correct and any attached copy is a true copy of the		
	Date: June 28, 1999 By _			
Ui Po	Name: LeRoy T. Rahn This paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" under 37 CFR § 1.10 Mailing Label No. EL078837030US			
/1999 DNGUYEN 00000428 09340518				
581	40.00 OP	Total number of pages including cover sheet, attachments, and document:		

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ASSIGNMENT

WHEREAS, WE, Adam K. Kolawa, Arthur Ray Hicken, Stephen Frankini, Skirmantas Kligys, Emelina Gesheshyen, Maxim E. Troukhan, residing at 673 Deadar Lane, Bradbury, California 91010; 1593 West 15th Street, Upland, California 91786; 2500 South 4th Avenue, Arcadia, California 91006; 250 South El Molina Avenue, #16, Pasadena, California 91101; 435 West Dryden Street, Apt. 17, Glendale, California 91202; 1675 Amberwood Drive, #2, South Pasadena, California 91030, respectively, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled METHOD AND APPARATUS FOR AUTOMATED SELECTION, ORGANIZATION, AND RECOMMENDATION OF ITEMS, and executed by us on even date herewith;

AND WHEREAS PARASOFT CORPORATION, a California corporation, having a place of business at 2031 South Myrtle Avenue, Monrovia, California 91016-4836 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and we hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith;

AND WE HEREBY further covenant and agree that we will communicate to ASSIGNEE any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand	this <u>28</u> day of <u>June</u> , 19 <u>79</u> .
	for Galorias
	Adam K. Kolawa
STATE OF (ALI FORNIA) COUNTY OF LOS AND EVES)	
On JUNE 28, 1999, before me AN 11 personally appeared Adam K. Kolawa personally k satisfactory evidence) to be the person whose name acknowledged to me that he executed the same in his a the instrument the person, or the entity upon behalf of w	to is subscribed to the within instrument and uthorized capacity, and that by his signature on
	WENESS my hand and official seal.
ANITA JOHNSON Commission # 1083928 Notary Public — California Los Angeles County	Signature of Notary
My Comm. Expires Jan 25, 2000	Digitation of Ivolary
*****	* *
IN TESTIMONY WHEREOF, I hereunto set my hand	d this, 19,
	Arthur Ray Hicken
STATE OF	•
COUNTY OF)	
On , before me	, Notary Public,
On, before me personally appeared Arthur Ray Hicken personally satisfactory evidence) to be the person whose nam acknowledged to me that he executed the same in his at the instrument the person, or the entity upon behalf of v	y known to me (or proved to me on the basis of e is subscribed to the within instrument and authorized capacity, and that by his signature on
personally appeared Arthur Ray Hicken personally satisfactory evidence) to be the person whose nam acknowledged to me that he executed the same in his a	y known to me (or proved to me on the basis of e is subscribed to the within instrument and authorized capacity, and that by his signature on
personally appeared Arthur Ray Hicken personally satisfactory evidence) to be the person whose nam acknowledged to me that he executed the same in his a	y known to me (or proved to me on the basis of e is subscribed to the within instrument and authorized capacity, and that by his signature on which the person acted, executed the instrument.
personally appeared Arthur Ray Hicken personally satisfactory evidence) to be the person whose nam acknowledged to me that he executed the same in his a	y known to me (or proved to me on the basis of e is subscribed to the within instrument and authorized capacity, and that by his signature on which the person acted, executed the instrument.

IN TESTIMONY WHEREOF, I hereunto set my han	d this 28 day of June, 19 99.		
STATE OF CALIFORNIA COUNTY OF LOS ANGELES)	Stephen Frankini		
On <u>JUNE 78, 1999</u> , before me <u>ANIA</u> personally appeared Stephen Frankini personally satisfactory evidence) to be the person whose nam acknowledged to me that he executed the same in his a the instrument the person, or the entity upon behalf of w	known to me (or proved to me on the basis of e is subscribed to the within instrument and authorized capacity, and that by his signature on		
ANITA JOHNSON Commission # 1083926 Notary Public — California Los Angeles County My Comm. Expires Jan 25, 2000	WITNESS my hand and official seal. Signature of Notary		
*****	**		
IN TESTIMONY WHEREOF, I hereunto set my hand this 28 day of Jume, 19 99.			
STATE OF CALIFORNIA) COUNTY OF LOS AN LEGES)	Skirmantas Kligys		
On <u>JINE 73</u> , 1999, before me <u>AN11</u> personally appeared Skirmantas Kligys personally satisfactory evidence) to be the person whose name acknowledged to me that he executed the same in his a the instrument the person, or the entity upon behalf of w	known to me (or proved to me on the basis of e is subscribed to the within instrument and uthorized capacity, and that by his signature on		
ANITA JOHNSON Commission # 1083928 Notary Public — California Los Angeles County My Comm. Expires Jan 25, 2000	WITNESS my hand and official seal. Signature of Notary		

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IN TESTIMONY WHEREOF, I hereunto set my han	d this day of, 19, 19, 19			
STATE OF CALIFORNIA) COUNTY OF COS ANGELES)	Emelina Gesheshyen Emelina Gesheshyen			
On JUNE 28, 1999, before me AND personally appeared Emelina Gesheshyen personal satisfactory evidence) to be the person whose name acknowledged to me that she executed the same in he on the instrument the person, or the entity upon instrument.	lly known to me (or proved to me on the basis of the is subscribed to the within instrument and er authorized capacity, and that by her signature			
ANITA JOHNSON Commission # 1083928 Notary Public — California Los Angeles County My Comm. Expires Jan 25, 2000	WITNESS my hand and official seal. Signature of Notary			

IN TESTIMONY WHEREOF, I hereunto set my han	and this 28 day of June, $19 \frac{99}{1}$.			
STATE OF (A LIFOUNIA) COUNTY OF LOS ANDELES)	Maxim Troukhan E.			
On JUNE 73, 1999, before me ANKA personally appeared Maxim Troukhan personally satisfactory evidence) to be the person whose name acknowledged to me that he executed the same in his at the instrument the person, or the entity upon behalf of very Public — Colifornia Los Angeles County My Comm. Expires Jan 25, 2000	known to me (or proved to me on the basis of e is subscribed to the within instrument and authorized capacity, and that by his signature on			
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PATENT REEL: 010090 FRAME: 0611

RECORDED: 06/28/1999