03-07-	2002
PATENTS ONLY	PATENTS ONLY
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102004	1786 or copy thereof
Name of conveying party(ies)	Name and Address of receiving party(ies)
(1) Shmuel UR (2) Eitan FARCHI	Name: <u>INTERNATIONAL BUSINESS MACHINES</u> CORPORATION
(3) Gil RATSABY	Address: New Orchard Road
FEB 1	Armonk, New York, NY 10504 U.S.A.
E STATE OF THE STA	U.U.A.
dditional name(s) of conveying party(ies) attached 12 14 14 15 No	Additional name (a) 2 adds and (a) attached 2 / I I Van DWI Na
	Additional name(s) & address(es) attached? [] Yes [XX] No
Nature of conveyance: In Assignment In I	[] Other
[x] Assignment [] Change of Name [] Security Agreement [] Merger	[] Other
Execution Date: (1-2) August 13, 2001; (3) August 15, 2001	
 Application number(s) or patent number(s). If this docume the application is: 	ent is being filed together with a new application, the execution date of
Date	
A. Patent Application No(s).	B. Patent No(s).
	b. Faterit No(s).
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Additional numbers at	
5. Name and address of party to whom correspondence	Number of applications and patents involved:
concerning document should be mailed:	One (1)
BROWDY AND NEIMARK, P.L.L.C.	7. Amount of fee enclosed or authorized to be charged:
624 Ninth Street, N.W.	\$40.00
Suite 300 Washington, D.C. 20001-5303	8. PTO Form-2038 in the amount of \$40.00 is attached.
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Statement and Signature.	
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To the best of my knowledge and belief the foregoing int	formation is true and correct and any attached copy is a true copy of the
To the best of my knowledge and belief the foregoing into original document.	formation is true and correct and any attached copy is a true copy of the
To the best of my knowledge and belief the foregoing information original document.	
original document.	
To the best of my knowledge and belies the foregoing information original document. Norman J. Latker (Reg. No. 19,963)	N- 1 2/26/02
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original document. Norman J. Latker (Reg. No. 19,963)	N-t 2/26/02

PATENT REEL: 012630 FRAME: 0787

UNITED STATES

42421

ASSIGNMENT

WHEREAS, the below named inventors, ASSIGNORS, have made a certain new and useful invention in:

RACE DETECTION FOR PARALLEL SOFTWARE

for which a patent application specification is attached hereto and which is being executed concurrently herewith,

and WHEREAS, INTERNATIONAL BUSINESS MACHINES CORPORATION a U.S. company having a place of business at New Orchard Road, Armonk, New York, NY 10504, U.S.A., ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said 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, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all the divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from the said United States application under the patent laws of the United States, the International Convention for the Protection of Industrial Property, or any other International agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

ASSIGNORS authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to the issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNORS covenant and agree that they have full right to convey the entire interest herein assigned, and have not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNORS further covenant and agree that they will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

PATENT REEL: 012630 FRAME: 0788

RECORDED: 02/27/2002

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UNITED STATES ASSIGNMENT

12421

Full Name of first inventor. Shmue	el UR			
Inventor's signature		Date	13/8/2001	
Residence: Shorashim, Israel Citizenship: Israel Post Office address: Shorashim, D.	.N. Misgav 20164, Israel	ŀ		
Full name of second joint inventor				
Inventor's signature	2/11/	Date	13/8/2001	
Residence: Pardes Hanna, Israel Citizenship: Israel Post Office address: 49 Hahashmo				
Full name of third joint inventor: Gil RATSABY				
Inventor's signature	TE '03	Date	15.8.01	
Residence: Nazereth Ilit, Israel Citizenship: Israel Post Office address: A12/1 Carmel	Street, Nazereth Ilit 170)00, Israe	el	

PATENT REEL: 012630 FRAME: 0789