FORM PTO-1595 1-31-92 07-14-1999



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To the Commissioner of Pat 101088231	:tached original documents or goppy the got		
1. Name of conveying party(ies):	2. Name and address of redeiving party(fes)		
YOSSEF TSURIA and YONATAN SILVER	Name: NDS LTD.		
Additional name(a) of community marketics) ottoched	Internal Address:		
Additional name(s) of conveying party(ies) attached? Yes No	Street Address: 1 Heathrow Boulevard, West Drayton		
3. Nature of Conveyance:	City, State and Zip: Middlesex UB7 0D0, United Kingdom		
X Assignment	Additional Name(s) & address(es) attached?		
Security Agreement Change of Name Other	Yes X No		
Execution Date: November 3 and April 12, 1999			
4. Application number(s) or patent number(s):			
If this document is being filed together with a new applica	tion, the execution date of the application is:		
A. Patent Application No. 09/158,952 Filed: September 21, 1998	B. Patent No.(s)		
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		
Name: <u>Joel G. Ackerman</u>	7. Total fee (37 CFR 3.41):\$ 40.00 E		
Internal Address: Limbach & Limbach L.L.P. Street Address: 2001 Ferry Building City, State, ZIP: San Francisco, California 94111 Telephone: (415) 433-4150 Facsimile: (415) 433-8716	Enclosed Charge any deficiencies in the enclosed fee to Deposit Account No. 12-1420 Authorized to be charged to deposit account		
Attorney Docket No. SANF-21300 USA	8. Deposit account number: 12-1420		
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and	d correct and any attached copy is a true copy of the original document.		
Joel G. Ackerman, Reg. No. 24,307 Name of Person Signing	Signature July 7, 1999 Date		
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Revised: 04/21/97

ASSIGNMENT

WHEREAS, WE, YOSSEF TSURIA and YONATAN SILVER, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent: Title of Invention: DISTRIBUTED IRD SYSTEM Application (Declaration/Oath) Execution Date: Application No.: 09/158,952 Filing Date: September 21, 1998 WHEREAS, NDS LTD., a company of United Kingdom, 1 Heathrow Boulevard, West Drayton, Middlesex UB7 ODQ, United Kingdom, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same; NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent. Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns. IN TESTIMONY WHEREOF, Assignors have each hereunto signed his/her name to this assignment on the dates indicated below. Date: 3/11/97 OSSET TSURIAL VOSSET

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Rev. 04/28/98

PATENT REEL: 010083 FRAME: 0323

RECORDED: 07/12/1999

S. T. COLB & CO.

Attorney Docket No. SANE-21300 USA [32156]

<u>ASSIGNMENT</u>

WHEREAS, WE, <u>YOSSEF TSURIA and YOS</u> certain new and useful improvement as described Patent:	NATAN Ell.VER., hersinefter referred to as "ASS) is and set forth in the below-identified application (
Title of invention - DISTRIBUTED IND BYSTEM		•	
Application (Declaration/Oath) Execution Date:			
Filing Date: September 31, 1998 Application No.: 09/158.952			
WHEREAS, NOS LTD., a company of <u>United Kinesem</u> , <u>1 Heathrew Roldeverd</u> , West <u>Oravien</u> , <u>Middletex US7 000.</u> <u>United Kinedom</u> , hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire high, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;			
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Deltar (21,00) and other good and valuable consideration, resulpt at which is hereby acknowledged by Assignors, Assignors have acid, sexigned and transferred, and by these presents do sail, assign and transfer unto the said Assignee, and Assignee's successors and serious, all right, this and interest in and as the said invention, said application for United States Letters Patent, and any Letters Patent, and any the world including any divisions, renewals, so thinkstions in whole or in part, substitutions, conversions, releases, prelengations are extensions thereof, said interest to be held and enjoyed by said Actignee as fully and exclusively as it would have been held and enjoyed by said Actignee as fully and exclusively as it would have been held and enjoyed by said Actignee as fully and exclusively as it would have been held and enjoyed by said Actignee as fully and exclusively as it would have been held and enjoyed by said Actignee as fully and exclusively as it would have been held and enjoyed by said Actignee as fully and exclusively as it would have been held and enjoyed by said Actignee as fully and exclusively as it would have been held.			
Assignors further agree that they will, without charge to said Assignor, but in Assignor's expanse, peoparate with Assignor in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Paters and for the resease thereof, and instruments of assignment and wantier thereof, and will perform such other sate as Assignes is whilly they request, to abtain or maintain Letters Paters for said invention and improvement in any and all countries, and to use title thereto in said Assignes, or Assignes's subspacers and assignes.			
IN TESTIMONY WHEREOF. Assigners have each hereumo signed his/her name to this assignment on the dozes indicated below.			
Date:	VOSSES TOURIA		
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Date: X 12 April 1999	X 3. C. Selve		
	YONATAN BILYER		
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