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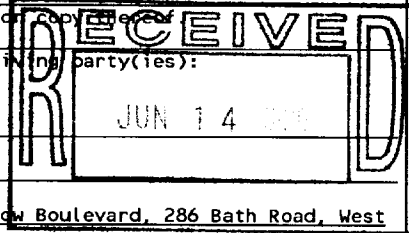
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JONATHAN MAISSEL, AMIR EILAT, YOSSEF TSURIA, MOSHE KRANC  
YISHAI SERED, GERSHON BAR-ON, SHABTAI ATLOW and DAVID ZVIEL  
Additional name(s) of conveying party(ies) attached?  
 Yes  No

2. Name and address of receiving party(ies):  
Name: NDS LIMITED  
Internal Address:  
Street Address: One Heathrow Boulevard, 286 Bath Road, West  
Drayton  
City, State and Zip: Middlesex UB7 0DQ, United Kingdom

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: May 6, 1999; May 23, 1999; May 9, 1999;  
May 3, 1999; May 12, 1999; May 9, 1999; May 9, 1999 and May 2,  
1999

Additional Name(s) & address(es) attached?  
 Yes  No

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No. 09/242,871  
B. International Filing Date: June 30, 1998  
Additional numbers attached?  Yes  No

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41):.....\$ 40.00  
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5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Joel G. Ackerman  
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  
Attorney Docket No. SANF-21900 USA

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Joel G. Ackerman, Reg. No. 24,307  
Name of Person Signing  
Signature  
June 10, 1999  
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ASSIGNMENT

WHEREAS, WE, JONATHAN MAISSEL, AMIR EILAT, YOSSEF TSURIA, MOSHE KRANC, YISHAI SERED, GERSHON BAR-ON, SHABTAI ATLOW and DAVID ZVIEL, 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: INTELLIGENT ELECTRONIC PROGRAM GUIDE

Application (Declaration/Oath) Execution Date: \_\_\_\_\_

International Filing Date: June 30, 1998 International Application No.: PCT/IL98/00307

WHEREAS, NDS LIMITED, a corporation of the State of United Kingdom, One Heathrow Boulevard, 286 Bath Road, West Drayton, Middlesex UB7 0DQ, 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, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: May 6 1999

J. Maisel  
JONATHAN MAISSEL

Date: 22/5/99

Amir Eilat  
AMIR EILAT

Date: 9/5/99

Yossef Tsuria  
YOSSEF TSURIA

Date: 3/5/99

Moshe Kranc  
MOSHE KRANC

Date: May 12 1999

Yishai Sered  
YISHAI SERED

Date: May 9 1999

Gershon Bar-On  
GERSHON BAR-ON

Date: 4/5/99

Shabtai Atlow  
SHABTAI ATLOW

Date: May 2, 1999

David Zviel  
DAVID ZVIEL