

12-22-1999



Form PTO-1595

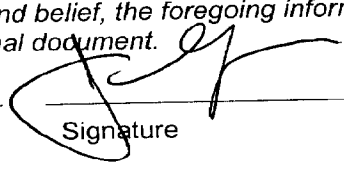
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ER SHEET

U.S. Department of Commerce
Patent and Trademark Office

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

1. Name of conveying party(ies): Robert C. Kuhn and Michael F. Gleason Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): Name: <u>TSR, Inc.</u> Internal Address: Street Address: <u>2 Barlo Circle</u> <u>P.O. Box 680</u> City: <u>Dillsburg</u> State: <u>Pennsylvania</u> Zip: <u>17019</u> Country: _____ Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date(s): <u>November 18, 1999</u> <u>09/456311</u>		4. Application number(s) or patent number(s): If this document is being filed together with a new application, the Execution date(s) of the new application is (are): <u>December 1, 1999 and December 6, 1999</u> A. Patent Application No.(s): _____ B. Patent No.(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP</u> Internal Address: <u>Atty. Dkt.: T8210.0003/P003</u> Attn: <u>Jon D. Grossman</u> Street Address: <u>2101 L Street NW</u> <u>40.00 00</u> City: <u>Washington</u> State: <u>DC</u> Zip: <u>20037 - 1526</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 C.F.R. 3.41) \$ <u>\$40 00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Credit any overpayment or debit any underpayment 8. Deposit account number: <u>4 - 1073</u>	
DO NOT USE THIS SPACE			
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <u>Jon D. Grossman</u>  <u>December 8, 1999</u> Signature Date Reg. No. <u>32,699</u> Total number of pages including cover sheet, attachments, and document: <u>4</u>			

 JCS88 U.S. PTO
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ASSIGNMENT AND AGREEMENT

For value received, we, Robert C. Kuhn of Dillsburg, Pennsylvania, and Michael F. Gleason of Fairfield, Pennsylvania, hereby sell, assign and transfer to TSR, Inc., a corporation of the Commonwealth of Pennsylvania, having an office at 2 Barlo Circle, P.O. Box 680, Dillsburg, Pennsylvania 17019, U.S.A., and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **METHOD AND APPARATUS FOR ADMINISTRATION OF CIRCUIT INVENTORIES IN TELECOMMUNICATIONS NETWORKS** described in an application for Letters Patent of the United States, attached hereto, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to TSR, Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.


We authorize TSR, Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of TSR, Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to TSR, Inc. in the United States and in all countries foreign to the United States, or to such nominees as TSR, Inc. may designate.

We agree that, when requested, we shall, without charge to TSR, Inc., but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

In the above, applications related to "said inventions," as well as "said applications, patents, or other forms of protection," shall be interpreted to include new original applications for patent, divisionals, continuations, provisional applications, non-provisional applications, and other applications related to the inventions described in the attached application.


Robert C. Kuhn

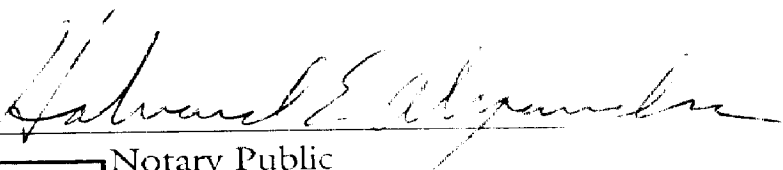
Date: _____

United States of America)

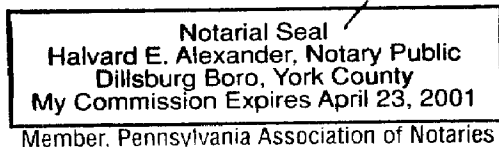
Commonwealth of Pennsylvania) ss.:

County of YORK)

On this 18TH day of NOVEMBER, 1999, before me personally came Robert C. Kuhn, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.



Notary Public



Michael F. Gleason
Michael F. Gleason

Date: 11/18/1999

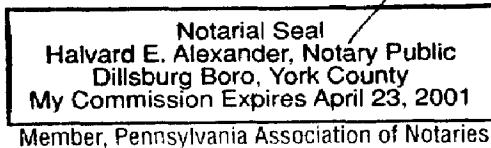
United States of America)

Commonwealth of Pennsylvania) ss.:

County of YORK)

On this 18TH day of NOVEMBER, 1999, before me personally came Michael F. Gleason, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Halvard E. Alexander
Notary Public



TSR, Inc.
2 Barlo Circle
P.O. Box 680
Dillsburg, Pennsylvania 17019