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FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
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101365917 Please record and account 22.5. Is or copy thereof.	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)
Michael J. Witbrock	Name: <u>Justsystem Pittsburgh Research Center, Inc.</u>
Additional name(s) of conveying party(ies) attached? Yes No	Internal Address:
3. Nature of conveyance:	
⊠ Assignment □ Merger	City:Pittsburgh
□ Security Agreement □ Change of Name	State: <u>PA</u> ZIP: <u>15213</u>
□ Other	Additional name(s) & address(es) attached? U Yes 🗵 No
Execution Date: March 30, 2000	
If this document is being filed together with a new the execution date of the application is: March 30, A. Patent Application No.(s)	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name:Richard L. Byrne	
Internal Address: Webb Ziesenheim Bruening	7. Total fee (37 CFR 3.41)\$ 40.00
Logsdon Orkin & Hanson, P.C.	⊠ Enclosed
Street Address: 700 Koppers Building	□ Authorized to be charged to deposit account
436 Seventh Avenue	8. Deposit account number:
City: <u>Pittsburgh</u> State: <u>PA</u> ZIP: <u>15219-1818</u>	(Attach triplicate copy of this page if paying by deposit account)
DO NOT USE THIS SPACE	
9. Statement and signature. 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.	
Richard L. Byrne Name of Person Signing Registration No. 28,498 May 9, 2000 Date	
Total number of pages including cover sheet, attachments and document	

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner for Patents, U.S. Patent and Trademark Office
Office of Public Records, Crystal Gateway 4, Room 335
Washington, D.C. 20231

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PATENT REEL: 010802 FRAME: 0489

ASSIGNMENT

WHEREAS, I, Michael J. Witbrock, residing in Newton, County of Middlesex, Commonwealth of Massachusetts, together with Mark Kantrowitz and Vibhu O. Mittal, have invented certain new and useful improvements in "Method and Apparatus for Rapidly Producing Document Summaries and Document Browsing Aids" for which I have this day executed an application for United States Letters Patent;

AND, WHEREAS, Justsystem Pittsburgh Research Center, Inc., a corporation of Delaware, having a place of business at 4616 Henry Street, Pittsburgh, Pennsylvania 15213 hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I do hereby assign, sell, transfer, and set over unto said assignee my entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignee to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

The Assistant Commissioner for Patents is requested to issue such Letters Patent in accordance herewith. I covenant that I am a lawful joint owner of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that I have the full right to make this assignment.

And for the consideration aforesaid, I agree that I will communicate to said assignee or the representatives thereof any facts known to me respecting said inventions and improvements, and will, upon request, but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation—in—part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignee or by counsel for said assignee, to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon my heirs, executors, administrators, and/or assigns, and shall inure to the benefit

PATENT REEL: 010802 FRAME: 0490 of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignee.

EXECUTED 30 Morch , 2000.

Michael J. Witbrock

COMMONWEALTH OF MASSACHUSETTS:
: ss:

COUNTY OF MIDDLESEX:

Before me, a Notary Public in and for the said County and Commonwealth personally appeared Michael J. Witbrock, who acknowledged that he is the person who executed the foregoing assignment and acknowledged it to be his free and voluntary act and deed.

Witness my hand and notarial seal this 30 day of 1000.

[NOTARIAL SEAL]

JEFFREY M. SNIDER, Notary Public My Commission Expires Dec. 11, 2003

RECORDED: 05/09/2000