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To the Honorable Commissioner of Patents and Trade	306640 ched original documents or copy thereof.
1. Name of conveying party(ies) Kevin J. Carney and John S. Brown	Name and address of receiving party(ies) Name:
Additional name(s) of conveying party(ies) attached? [] Tes [X] No	
3. Nature of conveyance:	Street Address: 201 Lowell Street
[X] Assignment [] Merger	
[] Security Agreement [] Change of Name [] Other	City: Wilmington State: MA ZIP: 01887-2941
Execution Date: November 12, 1999	Additional name(s) & address(es) attached? [] Yes [X] No
If this document is being filed together with a new application A. Patent Application No.(s)	B. Patent No.(s) November 12, 1999
A. Patent Application No.(s) Additional num Name and address of party to whom correspondence	
A. Patent Application No.(s) Additional num Name and address of party to whom correspondence concerning document should be mailed:	B. Patent No.(s) mbers attached? [] Yes [X] No 6. Total number of applications and patents involved: [1]
A. Patent Application No.(s) Additional num 5. Name and address of party to whom correspondence concerning document should be mailed: Name: David J. Thibodeau, Jr., Esq.	B. Patent No.(s) mbers attached? [] Yes [X] No 6. Total number of applications and patents involved: [1]
A. Patent Application No.(s) Additional num 5. Name and address of party to whom correspondence concerning document should be mailed: Name: David J. Thibodeau, Jr., Esq. Internal Address:	B. Patent No.(s) Description
A. Patent Application No.(s) Additional num 5. Name and address of party to whom correspondence concerning document should be mailed: Name: David J. Thibodeau, Jr., Esq. Internal Address: Hamilton, Brook, Smith & Reynolds, P.C. Street Address: Two Militia Drive	B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) Constant of applications and patents involved: [1] Authorized to charge any deficiencies or credit any overpayment to deposit account Constant of applications are particularly applications and patents involved: [1] Constant of ap
A. Patent Application No.(s) Additional num 5. Name and address of party to whom correspondence concerning document should be mailed: Name: David J. Thibodeau, Jr., Esq. Internal Address: Hamilton, Brook, Smith & Reynolds, P.C. Street Address: Two Militia Drive City: Lexington State: MA ZIP: 02421-4799	B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) B. Patent No.(s) E. Patent No.(s) B. Patent No.(s) C. Patent No

Total number of pages including cover sheet, attachments, and document: [4]

PATENT

REEL: 010647 FRAME: 0779

Docket No.	TEX99-06p

Joint

ASSIGNMENT

WHEREAS, we, **Kevin J. Carney and John S. Brown**, have invented a certain improvement in **Constituent Sensing System** described in an application for Letters Patent of the United States, the specification of which:

[X]	is being executed on even date herewith and is about to be filed in the United States Patent Office;			
[]	was filed onas Application No;			
[]	was patented under U.S. Patent Noon			

WHEREAS, Textron Systems Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 201 Lowell Street, Wilmington, Massachusetts 01887-2941 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

PATENT REEL: 010647 FRAME: 0780 AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

-2
Inventor's Signature:
State/Commonwealth
of <u>Massachusetts</u>
County of Middlesex
Then personally appeared before me the above-named Kevin J. Carney and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this
(SEAL) Qlana Biglar Notary Public
Mona Rielor (print name)
My Commission expires 2 / 2 / 3001

PATENT REEL: 010647 FRAME: 0781

Inventor's Signature:	IIn	& Bron	\sim
State/Commonwealth of <u>Massachuse!</u> County of <u>Middles</u>		John S. B	rown
he/she executed the foregoin			S. Brown and acknowledged that and deed this _\int 2 day
(SEAL)	My Commission	Bieler Bieler	Notary Public (print name)
	2.25		1 - Comment of the state of

 $K: \verb|DWONG| TEX| 99-06p| Assignment|$

RECORDED: 02/03/2000

PATENT REEL: 010647 FRAME: 0782