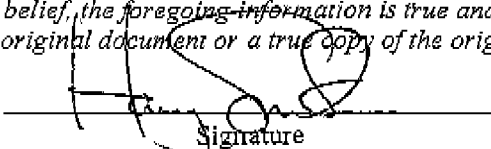
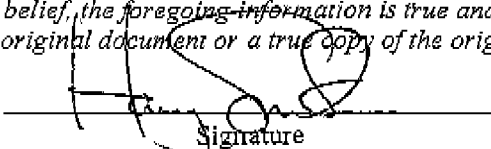
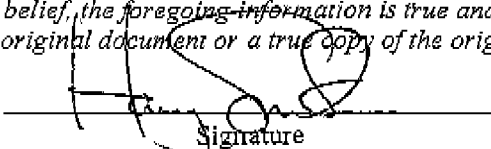


Form PTO-1595

# **RECORDATION FORM COVER SHEET** **PATENTS ONLY**

Commissioner of Patents and Trademarks, Washington, D.C. 20231

Please record the attached document

<b>1. Name of conveying party(ies):</b>  TEXTRON SYSTEMS RHODE ISLAND (2001) INC.  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies):</b>  Name: TEXTRON INNOVATIONS INC.  Address: 40 Westminster Street  City: Providence State: RI ZIP Code: 02903  Country: U.S.A.  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																	
<b>3. Nature of Conveyance:</b>  <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: November 1, 2002																			
<b>4. Application number(s) or patent number(s):</b> If this document is being filed together with a new application, the execution date of the application is: _____ <table border="0"> <tr> <td><b>A. Patent Application No.(s):</b></td> <td><b>B. Patent No.(s):</b></td> </tr> <tr> <td></td> <td>US 5,404,224                      US 5,286,313</td> </tr> <tr> <td></td> <td>US 5,410,405                      US 5,793,489</td> </tr> <tr> <td></td> <td>US 5,414,510                      US 5,781,304</td> </tr> <tr> <td></td> <td>US 5,604,592                      US 5,798,835</td> </tr> <tr> <td></td> <td>US 5,623,307                      US 5,956,143</td> </tr> <tr> <td></td> <td>US 5,638,396                      US 6,198,538</td> </tr> <tr> <td></td> <td>US 5,724,138                      US 6,393,384</td> </tr> </table> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<b>A. Patent Application No.(s):</b>	<b>B. Patent No.(s):</b>		US 5,404,224                      US 5,286,313		US 5,410,405                      US 5,793,489		US 5,414,510                      US 5,781,304		US 5,604,592                      US 5,798,835		US 5,623,307                      US 5,956,143		US 5,638,396                      US 6,198,538		US 5,724,138                      US 6,393,384
<b>A. Patent Application No.(s):</b>	<b>B. Patent No.(s):</b>																		
	US 5,404,224                      US 5,286,313																		
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	US 5,604,592                      US 5,798,835																		
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	US 5,638,396                      US 6,198,538																		
	US 5,724,138                      US 6,393,384																		
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Name: Harry F. Smith Address: Harrington & Smith, LLP 4 Research Drive  City: Shelton  State: CT                      ZIP Code: 06484-6212		<b>6. Total number of applications and/or patents involved:</b> ..... 14 <b>7. Total fee (37 CFR 3.41):</b> .....\$40.00  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Charge deposit account <input type="checkbox"/> Please charge any fee deficiency to deposit account																	
		<b>8. Deposit account number:</b> <u>50-1924</u>																	
DO NOT USE THIS SPACE																			
<b>9. Statement And Signature:</b>  <p align="center"><i>To the best of my knowledge and belief, the foregoing information is true and correct and, the attached document is either an original document or a true copy of the original document.</i></p> <table border="0"> <tr> <td> <u>Harry F. Smith</u>            Name of Person Signing         </td> <td align="center">             Signature         </td> <td align="right"> <u>5/13/2004</u>            Date         </td> </tr> </table> <p align="right">Total number of pages including cover sheet(s): 10</p> <p align="right">Page 1 of 10.</p>				<u>Harry F. Smith</u> Name of Person Signing	 Signature	<u>5/13/2004</u> Date													
<u>Harry F. Smith</u> Name of Person Signing	 Signature	<u>5/13/2004</u> Date																	

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**PATENT**  
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### ASSIGNMENT

WHEREAS, Textron Systems Corporation, a Delaware corporation (hereinafter, "Textron Systems"), is the owner of all right, title, and interest in and to the intellectual property described herein;

WHEREAS, Textron Systems desires to transfer all of its right, title, and interest in and to such intellectual property to Textron Systems Rhode Island (2001) Inc., a Delaware corporation (hereinafter, "Textron Systems Rhode Island");

WHEREAS, Textron Systems Rhode Island desires to transfer all of its right, title, and interest in such intellectual property so acquired to Textron Innovations Inc., a Delaware corporation having a principal place of business at 40 Westminster Street, Providence, Rhode Island 02903 (hereinafter, "Innovations");

WHEREAS, Textron Systems Rhode Island has been organized for the purpose of facilitating Textron Systems' investment in Innovations, which manages certain domestic intellectual property for the Textron group of affiliates;

WHEREAS, all transfers of intellectual property pursuant to this Assignment are intended to be transfers pursuant to Section 351 of the Internal Revenue Code of 1986, as amended (hereinafter, the "Code");

NOW, THEREFORE, to whom it may concern, be it known that for good and valuable consideration, the receipt of which is hereby mutually acknowledged:

1. **THE ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS BY TEXTRON SYSTEMS TO TEXTRON SYSTEMS RHODE ISLAND**

Textron Systems has assigned, and transferred, and by these presents, Textron Systems hereby does assign, transfer, and deliver to Textron Systems Rhode Island, its successors, assigns, and legal representatives the whole of any and whatever right, title, and interest Textron Systems may have in and to: (i) the inventions described in the United States and foreign counterpart patents and patent applications listed in Exhibit A, and any continuations, continuations-in-part and divisionals of such patent applications or patents, and all foreign counterparts, and reissues, reexaminations, and extensions thereof; and (ii) the following intellectual property created or acquired by Textron Systems on or after April 2, 2001 and up to April 1, 2002: (a) all copyrighted materials, including software, used or useful in the business conducted by Textron Systems; (b) all know-how, trade secrets, or confidential information used or useful in the business conducted by Textron Systems, including all software and all technical data, trade secrets, algorithms, formulae, procedures, protocols, rules of thumb, techniques and results of experimentation and testing, and all information contained in any patent application; and (c) any and all other intellectual property rights in materials or information used or useful in the business conducted by Textron Systems, but excluding any rights that may exist in any trade names, trademarks, or service marks or other designations of origin (hereinafter, all of the intellectual property listed in (i) and (ii) above, shall be referred to as the "Intellectual Property").

2. **THE ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS BY TEXTRON SYSTEMS RHODE ISLAND TO INNOVATIONS**

Textron Systems Rhode Island has assigned, and transferred, and by these presents, Textron Systems Rhode Island hereby does assign, transfer, and deliver to Innovations, its

successors, assigns, and legal representatives the whole of any and whatever right, title, and interest Textron Systems Rhode Island may have in and to the Intellectual Property.


3. FURTHER ASSURANCES

Textron Systems and Textron Systems Rhode Island hereby further agree, each for itself and its successors, assigns, and legal representatives, to execute upon request any other lawful documents and likewise to perform any other lawful acts that are necessary to secure fully the aforesaid rights, titles, and interests in and to said Intellectual Property to Innovations, its successors, assigns, and legal representatives.


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IN WITNESS WHEREOF, the parties have caused this ASSIGNMENT to be duly executed and delivered as of November 1, 2002.

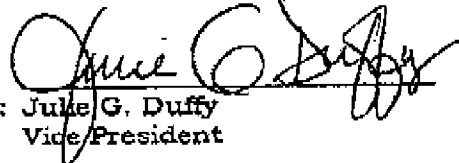
**Textron Systems Corporation**

By:   
Name: Arnold M. Friedman  
Title: Vice President

**Textron Systems Rhode Island (2001) Inc.**

By:   
Name: Ann T. Willaman  
Title: Vice President and Secretary

**Textron Innovations Inc.**

By:   
Name: Julie G. Duffy  
Title: Vice President

ARRINGTON & SMITH

978 657 2120 TO 940186318 NO. 402 P. 6

**Exhibit A**

**PATENTS AND PATENT APPLICATIONS**

## Textron Systems Corp. 4-01.xls

## Patent &amp; Patent Applications

Application Number	Date Filed	Patent Number	Country	Date Issued	Title	Assignee	COMMENTS
09/289,569	4/9/1998	6198538	US	3/6/2001	Match Filler Apparatus and Method for Remote Ultrasonic Determination of this Material Properties	Textron Systems	2001 donated to BURF
06/660,199	10/12/1994	6195035	US	2/27/2001	Cylindrical Monopulse	Textron Systems	
09/277,003	3/26/1999	6184881	US	2/6/2001	Speckle Mitigation for Coherent Detection Employing a Wide Band Signal	Textron Systems	
20198460	7/19/1999		AU		Speckle Mitigation for Coherent Detection Employing a Wide Band Signal	Textron Systems	
2,337,497	7/19/1989		CA		Speckle Mitigation for Coherent Detection Employing a Wide Band Signal	Textron Systems	
99963835.6	1/28/2001		EP		Speckle Mitigation for Coherent Detection Employing a Wide Band Signal	Textron Systems	
140850	7/19/1999		IL		Speckle Mitigation for Coherent Detection Employing a Wide Band Signal	Textron Systems	
2000-569210	7/19/1999		JP		Speckle Mitigation for Coherent Detection Employing a Wide Band Signal	Textron Systems	
09/420,965	4/13/995	5779560	US	7/14/1998	Golf Club Heads	Textron Systems Corp.	
09/115,570	7/14/1998	6163381	US	2/6/2001	Golf Club Head	Textron Systems	
96105449.1	4/4/1996	0737493	EP	7/31/2002	Golf Club Head	Textron Systems	
18-90813	4/12/1996		JP		Golf Club Head	Textron Systems	
2000-56991	7/13/1999		JP		Golf Club Head	Textron Systems	
96-10788	4/10/1996		KR		Golf Club Head	Textron Systems	
102001700054	1/13/2001		KR		Golf Club Head	Textron Systems	
09/093,223	5/22/1998	5985405	US	11/16/1999	Three Dimensionally Reinforced Ablative / Insulative Composite	Textron Systems	
PI9707462.4	7/16/1998		BR		Three Dimensionally Reinforced Ablative / Insulative Composite	Textron Systems	/
97191963.4	1/30/1997	97191963.4	CN	4/24/2002	Three Dimensionally Reinforced Ablative / Insulative Composite	Textron Systems	
97905745.2	1/30/1997	0817893	DE	9/19/2001	Three Dimensionally Reinforced Ablative / Insulative Composite	Textron Systems	

PATENT

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## Texttron Systems Corp. 4-01.xls

## Patent &amp; Patent Applications

Application Number	Date Filed	Patent Number	Country	Date Issued	Title	Assignee	COMMENTS
97005745.2	1/30/1997	0877893	EP	9/19/2001	Three Dimensionally Reinforced Adhesive / Insulative Composite	Texttron Systems	
97005745.2	1/30/1997	0877893	FR	9/19/2001	Three Dimensionally Reinforced Adhesive / Insulative Composite	Texttron Systems	
125473	7/23/1998	125473	IL	5/12/2002	Three Dimensionally Reinforced Adhesive / Insulative Composite	Texttron Systems	
97005745.2	1/30/1997	0877893	IT	9/19/2001	Three Dimensionally Reinforced Adhesive / Insulative Composite	Texttron Systems	
08-527904	1/30/1997		JP		Three Dimensionally Reinforced Adhesive / Insulative Composite	Texttron Systems	
08/600,835	2/14/1997	5958143	US	9/21/1998	Laser Ultrasonics-based Material Analysis System and Method Utilizing Lamb Modes	Texttron Systems	2003 donated to BURF
08/600,634	2/14/1997	5798835	US	08/25/1998	Laser Ultrasonics-based Material Analysis System and Method Utilizing Optimum Triggering Time	Texttron Systems	2003 donated to BURF
08/600,893	2/14/1997	5793489	US	8/11/1998	Ultrasonics-based Material Analysis System Using an Annular Impulse Beam	Texttron Systems	2003 donated to BURF
08/600,886	2/14/1997	5781304	US	7/14/1998	Laser Ultrasonic-based Material Analysis System and Method	Texttron Systems	2003 donated to BURF
08/634,286	4/18/1998	5724138	US	3/31/1998	Wavelet Analysis for Laser Ultrasonic Measurement of Material Properties	Texttron Systems	2003 donated to BURF
2224189	4/10/1997	2224189	CA	6/5/2001	Wavelet Analysis for Laser Ultrasonic Measurement of Material Properties	Texttron Systems	2003 donated to BURF
97920318.9	4/10/1997		EP		Wavelet Analysis for Laser Ultrasonic Measurement of Material Properties	Texttron Systems	2003 donated to BURF
09-537215	4/10/1997		JP		Wavelet Analysis for Laser Ultrasonic Measurement of Material Properties	Texttron Systems	2003 donated to BURF
08/496,030	6/28/1995	5585244	US	11/11/1997	Gas-fired Smelting Apparatus and Process	Texttron Systems	
08/505,847	7/25/1995	5577761	US	10/14/1997	Passive Ranging to Source of Known Spectral Emission	Texttron Systems	
08/849,603	10/14/1997	6222618	US	4/24/2001	Passive Ranging to Source of Known Spectral Emission	Texttron Systems	
09/656,993	9/7/2000	6373558	US	4/16/2002	Passive Ranging to a Target Reflecting Solar Radiation	Texttron Systems	
101 95 588.2	8/28/2001		OE		Passive Ranging to a Target Reflecting Solar Radiation	Texttron Systems	
0306149.6	8/29/2001		GB		Passive Ranging to a Target Reflecting Solar Radiation	Texttron Systems	

## Textron Systems Corp. 4-01.xls

## Patent &amp; Patent Applications

Application Number	Date Filed	Patent Number	Country	Date Issued	Title	Assignee	COMMENTS
08/656,814	9/7/2000	6275283	US	6/14/2001	Passive Ranging to Source of Known Spectral Emission	Textron Systems	
08/462,783	6/7/1995	5638398	US	6/10/1997	Laser Ultrasonics-based Material Analysis System and Method	Textron Systems	2003 donated to BURF
08/482,782	6/7/1995	5604592	US	2/16/1997	Laser Ultrasonics-based Material Analysis System and Method	Textron Systems	2003 donated to BURF
08/606,805	7/25/1995	5625462	US	4/28/1997	Passive Detection of Source of Known Spectral Emission	Textron Systems	
08/381,201	1/31/1995	5623307	US	4/22/1997	Apparatus for Measuring Surface Movement of an Object that is Subjected to External Vibrations	Textron Systems	2003 donated to BURF
08/184,032	2/9/1994	5414510	US	5/19/1995	Apparatus for Measuring Surface Movement of an Object that is Subjected to External Vibrations	Textron Systems	2003 donated to BURF
08/468,730	1/27/1993	5404224	US	4/4/1995	Apparatus for Measuring Surface Movement of an Object that is Subjected to External Vibrations	Textron Systems	2003 donated to BURF
08/180,279	1/27/1993	5410405	US	4/25/1995	Apparatus for Measuring Surface Movement of an Object that is Subjected to External Vibrations	Textron Systems	2003 donated to BURF
07/785,787	10/31/1991	5286513	US	2/15/1994	Process Control system using polarizing Interferometer (Surface Combustion Inc.)	Textron Systems	2003 donated to BURF
	4/9/1993	6393304	US	6/21/2002	Apparatus and Method for Remote Ultrasonic Determination of Thin Material Property	Textron Systems	2003 donated to BURF
07/625,479	12/11/1990	5431084	US	7/11/1993	Composite Preforms with Grooves for Fibers and Grooves for Off-Gassing	Textron Systems	
91311460.9	12/10/1991	69126285.3	DE	6/28/1997	Composite Preforms with Grooves for Fibers and Grooves for Off-Gassing	Textron Systems	
91311460.9	12/10/1991	0480629	EP	5/28/1997	Composite Preforms with Grooves for Fibers and Grooves for Off-Gassing	Textron Systems	
91311460.9	12/10/1991	0490629	FR	5/28/1997	Composite Preforms with Grooves for Fibers and Grooves for Off-Gassing	Textron Systems	
91311460.9	12/10/1991	0490629	GB	5/28/1997	Composite Preforms with Grooves for Fibers and Grooves for Off-Gassing	Textron Systems	
91311460.9	12/10/1991	25935BE/97	IT	5/28/1997	Composite Preforms with Grooves for Fibers and Grooves for Off-Gassing	Textron Systems	
03-349740	12/10/1991	3080742	JP	6/23/2000	Composite Preforms with Grooves for Fibers and Grooves for Off-Gassing	Textron Systems	
91311460.9	12/10/1991	0480629	SE	5/28/1997	Composite Preforms with Grooves for Fibers and Grooves for Off-Gassing	Textron Systems	
07/917,864	6/21/1992	5341213	US	8/23/1994	Alignment of Radiation Receptor With Lens by Fourier Optics	Textron Systems	

PATENT

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Tetron Systems Corp. 4-01.xls  
Patent & Patent Applications

Application Number	Date Filed	Patent Number	Country	Date Issued	Title	Assignee	COMMENTS
07/943,736	9/11/1992	5337940	US	8/16/1994	Composite Preform and Method of Manufacturing Fiber Reinforced Composite	Tetron Systems	
08/281,534	5/31/1994	5427304	US	6/27/1995	Composite Preform and Method of Manufacturing Fiber Reinforced Composite	Tetron Systems	
93/07151.6	9/10/1993	6932642A.6	DE	6/23/1999	Composite Preform and Method of Manufacturing Fiber Reinforced Composite	Tetron Systems	
93/07151.6	9/10/1993	0587438	EP	6/23/1999	Composite Preform and Method of Manufacturing Fiber Reinforced Composite	Tetron Systems	
98/03915.6	11/20/1998	0899825	EP	11/26/2001	Composite Preform and Method of Manufacturing Fiber Reinforced Composite	Tetron Systems	
98/03915.6	11/20/1998	0909826	EP	12/12/2001	Composite Preform and Method of Manufacturing Fiber Reinforced Composite	Tetron Systems	
93/07151.6	9/10/1993	0587438	FR	6/23/1999	Composite Preform and Method of Manufacturing Fiber Reinforced Composite	Tetron Systems	
93/07151.6	9/10/1993	0587438	GB	6/23/1999	Composite Preform and Method of Manufacturing Fiber Reinforced Composite	Tetron Systems	
5-247334	9/9/1993		JP		Composite Preform and Method of Manufacturing Fiber Reinforced Composite	Tetron Systems	
07/198,709	5/19/1998	4907735	US	3/13/1990	Method of Forming Articles	Tetron Systems	
06/033,495	11/21/1995	4782992	US	11/8/1998	Method of Forming Articles	Tetron Systems	
07/151,177	2/11/1999	4900599	US	2/13/1990	Method of Forming Articles	Tetron Systems	
552361	11/20/1987	1315657	CA	4/5/1993	Method of Forming Articles	Tetron Systems	
06/028,585	2/6/1988	4849828	US	3/17/1987	Explosively Forged Penetrator Warhead	Tetron Systems	
09/804,813	3/13/2001		US		An Optical Amplifier Employing an Active Doped Unilary Amplifier	Tetron Systems	
08/271,658	3/18/1999	6409218	US	6/18/2002	Shop Floor Control	Tetron Systems	
09/268,093	3/13/1999	6425293	US	7/30/2002	Sensor Plug	Tetron Systems	
US0006472	3/18/2000		WO		Sensor Plug	Tetron Systems	
09/268,105	3/13/1999	6518397	US	1/21/2003	Method and Apparatus for Self-Diagnosis of a Sensor	Tetron Systems	

PATENT

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## Texton Systems Corp. 4-01.xls

## Patent &amp; Patent Applications

Application Number	Date Filed	Patent Number	Country	Date Issued	Title	Assigned	COMMENTS
09/269,106	3/13/1999		US		Method and Apparatus for Monitoring Rotating Machinery	Texton Systems	
US00/06201	3/10/2000		WO		Method and Apparatus for Monitoring Rotating Machinery	Texton Systems	
00917824.5	3/10/2000		DE		Method and Apparatus for Monitoring Rotating Machinery	Texton Systems	
00917824.5	3/10/2000		EP		Method and Apparatus for Monitoring Rotating Machinery	Texton Systems	
00917824.5	3/10/2000		GB		Method and Apparatus for Monitoring Rotating Machinery	Texton Systems	
00917824.5	3/10/2000		IT		Method and Apparatus for Monitoring Rotating Machinery	Texton Systems	
00917824.5	3/10/2000		SE		Method and Apparatus for Monitoring Rotating Machinery	Texton Systems	
09/268,104	3/13/1999		US		Method for Estimating Torque in Rotating Machinery	Texton Systems	
US00/06193	3/10/2000		WO		Method and Apparatus for Controlling a Gearbox	Texton Systems	
09/223,645	12/30/1998	6453138	US	9/24/2002	Metallized Sheeting, Composites, and Methods for Their Formation	Texton Systems	
P1 9814727-7	6/29/2000		BR		Metallized Sheeting, Composites, and Methods for Their Formation	Texton Systems	
2,316,914	6/26/2000		CA		Metallized Sheeting, Composites, and Methods for Their Formation	Texton Systems	
98986481.8			EP		Metallized Sheeting, Composites, and Methods for Their Formation	Texton Systems	
2000-700736B	6/30/2000		KR		Metallized Sheeting, Composites, and Methods for Their Formation	Texton Systems	
006517	6/30/2000		MX		Metallized Sheeting, Composites, and Methods for Their Formation	Texton Systems	
09/562,805	7/14/2000		US		Metallized Sheeting, Composites, and Methods for Their Formation	Texton Systems	
07/121,698	9/15/1993		US		Process for Producing Wirehead Linear Materials	Texton Systems	

PATENT