

11-22-2000

FORM PTO-1619A  
Expires 08/30/99  
OMB 0651-0027

U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**



101525485

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

New

Resubmission (Non-Recordation)  
Document ID#

Correction of PTO Error  
Reel #  Frame #

Corrective Document  
Reel #  Frame #

**Conveyance Type**

Assignment  Security Agreement

License  Change of Name

Merger  Other

**U.S. Government**  
(For Use ONLY by U.S. Government Agencies)

Departmental File  Secret File

**Conveying Party(ies)**

Mark if additional names of conveying parties attached Execution Date  
Month Day Year

Name (line 1) WESTELL TECHNOLOGIES, INC.

08312000

Name (line 2) a Corporation of Delaware

**Second Party**

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

**Receiving Party**

Mark if additional names of receiving parties attached

Name (line 1) LaSalle Bank National Association (as agent)

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 2) a National Banking Association

Address (line 1) 135 S. LaSalle Street

Address (line 2)

Address (line 3) Chicago Illinois/US 60603  
City State/Country Zip Code

**Domestic Representative Name and Address**

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

11/21/2000 AAHMED1 00000089 100460 09086633

FOR OFFICE USE ONLY

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Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:  
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

**PATENT**  
**REEL: 011245 FRAME: 0750**

**Correspondent Name and Address**

Area Code and Telephone Number (312) 222-9350

Name IP Docket Clerk

Address (line 1) JENNER & BLOCK

Address (line 2) One IBM Plaza

Address (line 3) Chicago, Illinois 60611

Address (line 4)

**Pages** Enter the total number of pages of the attached conveyance document including any attachments.

# 9

**Application Number(s) or Patent Number(s)**

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

**Patent Application Number(s)**

**Patent Number(s)**

09086633 09083162 09199562  
09307871 60162145 09433011

6115466

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT US00/06126 PCT US00/06122 PCT  
PCT PCT PCT

**Number of Properties**

Enter the total number of properties involved. # 9

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 360.00

Method of Payment: Deposit Account

Enclosed  Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 10-0460

Authorization to charge additional fees: Yes  No

**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. Charges to deposit account are authorized, as indicated herein.

Kristin L. Kruska

*Kristin Kruska*

11-8-00

Name of Person Signing

Signature

Date

SECURITY INTEREST AGREEMENT

(PATENTS)

WHEREAS, WESTELL TECHNOLOGIES, INC., a Delaware corporation (herein referred to as "Grantor"), owns the letters patent, and/or applications for letters patent, of the United States, more particularly described on Schedule 1-A annexed hereto as part hereof (the "Patents");

WHEREAS, Grantor is obligated to LaSalle Bank National Association, as agent for certain lenders now or hereafter signatories to the Amended and Restated Loan and Security Agreement by and among Grantor, Westell International, Inc., Westell, Inc., Conference Plus, Inc. and Teltrend, Inc. dated as of the date hereof (herein referred to as "Secured Party"), and has entered into a Security Agreement and Mortgage-Trademarks and Patents (the "Agreement") in favor of Secured Party;

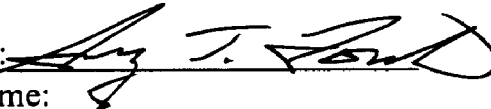
WHEREAS, pursuant to the Agreement, Grantor has granted to Secured Party a security interest in, and mortgage on, all right, title and interest of Grantor in and to the Patents, and all proceeds thereof, including, without limitation, any and all causes of action which may exist by reason of infringement thereof for the full term of the Patents, to secure the prompt payment, performance and observance of the Obligations, as defined in the Agreement;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Grantor does hereby further grant to Secured Party a security interest in, and mortgage on, the Patents to secure the prompt payment, performance and observance of the Obligations.

Grantor does hereby further acknowledge and affirm that the rights and remedies of Secured Party with respect to the security interest in and mortgage on the Patents made and granted hereby are more fully set forth in the Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein.

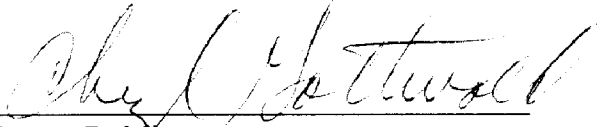
IN WITNESS WHEREOF, Grantor has caused this Agreement to be duly executed by its officer thereunto duly authorized as of the 31<sup>st</sup> day of August, 2000.

WESTELL TECHNOLOGIES, INC.

By:   
Name:  
Title:

STATE OF ILLINOIS        )  
                                  ) ss.  
COUNTY OF COOK        )

On this 31<sup>st</sup> day of August, 2000, before me personally appeared Amy T. Forster, to me known, who, being by me duly sworn, did depose and say that she is the Director of Finance of WESTELL TECHNOLOGIES, INC., the corporation described in and which executed the foregoing instrument; and that he signed his name thereto by order of the Board of Directors of said corporation.

  
\_\_\_\_\_  
Notary Public



## TRADEMARKS, LICENSES, PATENTS

Westell Technologies, Inc.PATENTS

<u>Patent Number</u>	<u>Title of Patent</u>	<u>Date Patent Issued</u>	<u>Country</u>
6,115,466	Subscriber Line System Having a Dual-Mode Filter For Voice Communications Over a Telephone Line	9/5/2000	U.S.

PATENT APPLICATIONS

<u>Serial Number</u>	<u>Title of Patent</u>	<u>Filing Date</u>	<u>Country</u>	<u>Inventor</u>
09/086,633	Signal Processing Unit for Network Interface Unit	5/29/98	U.S.	John C. Goluch Christopher Simanonis George G. Wagner Mark S. Ziermann
09/083,162	Filters for a Digital Subscriber Line System for Voice Communication over a Telephone Line	3/12/99	U.S.	Greg Bella
99301928.0	Digital Subscriber Line System Having a Dual-Mode Filter for Voice Communication over a Telephone Line	3/12/99	Europe	Greg Bella
09/199,562	Dual Test Mode	11/25/98	U.S.	Greg Bella
09/307,871	Dual Test Mode Network Interface Unit for Remote Testing of Transmission Line and Customer Equipment	5/10/99	U.S.	Greg Bella

PCT/US00/06 126	Passive Splitter Filter for Digital Subscriber Line Voice Communication for Complex Impedance Terminations	3/9/00	PCT	Greg Bella
60/162,145	Signaling Method for Invoking a Test Mode in a Network Interface Unit	10/29/99	U.S.	Greg Bella
09/433,011	Signaling Method for Invoking a Test Mode in a Network Interface Unit	11/3/99	U.S.	Greg Bella
99309361.6	Signaling Method for Invoking a Test Mode in a Network Interface Unit	11/24/99	Europe	Greg Bella
PCT/US00/061 22	Signaling Method for Invoking a Test Mode in a Network Interface Unit	3/9/00	PCT	Greg Bella

## TRADEMARKS

### REGISTERED TRADEMARKS

<u>Registration No.</u>	<u>Description of Mark</u>	<u>Date of Registration</u>	<u>State or Country</u>
1703753	CPI Conference Plus, Inc. and Design	7/28/1992	U.S.
2288735	EXTREMEACCESS	10/26/1999	U.S.
2209600	FASTKEY	12/8/1998	U.S.
1816377	FLEXCAP	1/11/1994	U.S.
2111126	INTERACCESS	11/4/1997	U.S.
2074385	SUPERVISION	6/24/1997	U.S.

2165080	WESTELL	6/16/1998	U.S.
2199214	SWOOSH W Design	10/27/1998	U.S.

**TRADEMARK APPLICATIONS**

<u>Application No.</u>	<u>Description of Mark</u>	<u>Date of Application</u>	<u>State or Country</u>
75/240503	SMARTLINK	2/12/1997	U.S.
181651	SWOOSH W Design	4/1/1996	Community
181289	WESTELL	4/1/1996	Community

**Westell International, Inc.**

**PATENTS**

<u>Patent Number</u>	<u>Title of Patent</u>	<u>Date Patent Issued</u>	<u>Country</u>
NONE			

**PATENT APPLICATIONS**

<u>Serial Number</u>	<u>Title of Patent</u>	<u>Filing Date</u>	<u>Country</u>	<u>Inventor</u>
NONE				

**TRADEMARKS**

**REGISTERED TRADEMARKS**

<u>Registration No.</u>	<u>Description of Mark</u>	<u>Date of Registration</u>	<u>State or Country</u>
NONE			

**TRADEMARK APPLICATIONS**

<u>Application No.</u>	<u>Description of Mark</u>	<u>Date of Application</u>	<u>State or Country</u>
NONE			

**Westell, Inc.**

**PATENTS**

<u>Patent Number</u>	<u>Title of Patent</u>	<u>Date Patent Issued</u>	<u>Country</u>
5,555,285	Multi-Variate System having an Intelligent Telecommunication Interface with Automatic Adaptive Delay Distortion Equalization (and Related Method)	9/10/1996	U.S.

**PATENT APPLICATIONS**

<u>Serial Number</u>	<u>Title of Patent</u>	<u>Filing Date</u>	<u>Country</u>	<u>Inventor</u>
09/310,188	Router-Based Domain Name System Proxy Agent Using Address Translation	5-12-99	U.S.	John Ronk John Whittington Manual Siaz Rama Mwikalo

09/565,362	Triple MOSFET Transmission Switch	5-5-00	U.S.	Mark Ziermann
09/565,412	Low Power Peak Detector	5-5-00	U.S.	Mark Ziermann

**TRADEMARKS**

**REGISTERED TRADEMARKS**

<u>Registration No.</u>	<u>Description of Mark</u>	<u>Date of Registration</u>	<u>State or Country</u>
NONE			

**TRADEMARK APPLICATIONS**

<u>Application No.</u>	<u>Description of Mark</u>	<u>Date of Application</u>	<u>State or Country</u>
NONE			

**Conference Plus, Inc.**

**PATENTS**

<u>Patent Number</u>	<u>Title of Patent</u>	<u>Date Patent Issued</u>	<u>Country</u>
NONE			

**PATENT APPLICATIONS**

<u>Serial Number</u>	<u>Title of Patent</u>	<u>Filing Date</u>	<u>Country</u>	<u>Inventor</u>
NONE				

**TRADEMARKS**

**REGISTERED TRADEMARKS**

<u>Registration No.</u>	<u>Description of Mark</u>	<u>Date of Registration</u>	<u>State or Country</u>
NONE			

**TRADEMARK APPLICATIONS**

<u>Application No.</u>	<u>Description of Mark</u>	<u>Date of Application</u>	<u>State or Country</u>
75/943995	Conference Plus	3/14/2000	U.S.

**Teltrend, Inc.**

**PATENTS**

<u>Patent Number</u>	<u>Title of Patent</u>	<u>Date Patent Issued</u>	<u>Country</u>
5,555,274	Phantom Data Link for Digital Transmission Lines	9-10-96	U.S.
5,224,149	Testing System for Digital Transmission Lines (Metallic Loopback)	6-29-93	U.S.
5,680,405	Remote Reporting System for Digital Transmission Line Elements (Remote Error Location Identified)	10-21-97	U.S.
5,889,785	Remote Reporting System for Digital Transmission Line Elements	3-30-99	U.S.



5,438,606	Open Power Loop Detector For Transmission Line Elements (Span Power Fault Detector and Restoral Circuit)	8-1-95	U.S.
5,357,569	Trans-Hybrid Loss Compensator for On Hook Transmission (On-Hook Trans Hybrid Balance)	10-18-94	U.S.
5,315,650	Caller Identification Transmit Path Limiter (Switching Transient Eliminator)	5-24-94	U.S.
5,347,544	Gain or Loss Compensation Circuit for Telephone Lines (Automatic Loss Compensation Circuit)	9-13-94	U.S.
5,509,065	Dual Span Monitoring System for Maintenance Shelf Control	4-16-96	U.S.
5,689,546	Performance Monitoring System for T1 Telephone Lines	11-18-97	U.S.
5,444,776	Bridge for a Network Interface Unit (Resistive Bridge)	8-22-95	U.S.
5,521,977	High Density Telephone Network Interface Unit	5-28-96	U.S.
5,566,239	Floating Digital Loop Carrier Telephone Interface	10-15-96	U.S.
5,631,956	High Density Telephone Network Interface Unit	5-20-97	U.S.
5,907,614	High Density Telephone Network Interface Unit	5-25-99	U.S.
5,691,998	Data Transmission Protection Circuit with Error Correction	11-25-97	U.S.
5,682,385	Enhancement for a Multiplexing Telecommunication Interface	10-28-97	U.S.
5,862,200	Ground Fault Detector for T1 Span Equipment	1-19-99	U.S.
5,963,638	Adjustable Hybrid Having Improved Biasing Configuration	10-05-99	U.S.
5,974,137	AGC Amplifier for Two-Wire Line Conditioner	10-26-99	U.S.
5,953,412	Method and Apparatus for Controlling Line Conditioner Equalizer	9-14-99	U.S.
6,111,949	Method of Rapid Automatic Hybrid Balancing	9-4-96	U.S.

#### PATENT APPLICATIONS

<u>Serial Number</u>	<u>Title of Patent</u>	<u>Filing Date</u>	<u>Country</u>	<u>Inventor</u>
09/229532	Remote Reporting System for Digital Line Elements	1-13-99	U.S.	Peter W. Pestski Nicholas J. Arone
09/357,612	Adjustable Hybrid having Improved Biasing Configuration	7-20-99	U.S.	Laurence L. Sheets
08/882,681	Extended Range Dual-Channel DDS Rapids	6-25-97	U.S.	Laurence L. Sheets Frank X. Garcia
09/186,803	System for Analog Testing of Digital Circuits	11-5-98	U.S.	Chan-En Li

09/472,727	Telecommunication Card Mounting Assembly with Trap Door for Fire Containment	12-27-99	U.S.	Spence Stockbridge
09/475,348	Split Power Supply System for Telecommunication Cards	12-30-99	U.S.	Jack Parker
09/475,349	Span-Powered Remote Shelf Assembly and System	12-30-99	U.S.	Boyd Halfacre Alan Gregorich John Washburn Larry Fredrickson Rick Helm
09/476,074	Improved Backplane Design for Telecommunications Card Mounting Assembly	12-30-99	U.S.	Guy Cerulli
09/475,796	Multi-Functional Pin Assembly for Telecommunication Cards	12-30-99	U.S.	Larry Frederickson
09/475,739	Test Access System for Telecommunication Transmission Lines	12-30-99	U.S.	Guy Cerulli
09/475,975	Protection Switching System for Digital Transmission Line Units	12-30-99	U.S.	Jack Parker Boyd Halfacre Guy Cerulli Tariq Amjed Mark Manthei Larry Frederickson John Washburn Adil Burak Balkuv Rick Koca Wan On Chan Flora Liang Jeff Rendlen
09/476,069	Priority Response System for Digital Transmission Line Elements	12-30-99	U.S.	Mark Manthei Wan On Chan Timothy Johnson

## TRADEMARKS

### REGISTERED TRADEMARKS

<u>Registration No.</u>	<u>Description of Mark</u>	<u>Date of Registration</u>	<u>State or Country</u>
1,388,964	INTELIPOINT 1	4-8-86	U.S.
1,666,561	TELTREND	12-3-91	U.S.

1,730,268	INTELIPULSE	11-3-92	U.S.
1,901,166	200 MECHANICS	6-20-95	U.S.
1,984,467	DNI 200	7-2-96	U.S.
1,991,591	200 MECHANICS & Design	8-6-96	U.S.
2,064,058	ULTRAPORT	5-20-97	U.S.
2,073,169	CYBERBLOCK	6-24-97	U.S.
2,113,684	TELTREND & Design	11-18-97	U.S.
452,568	TELTREND YOUR INTELLIGENT ALTERNATIVE & Design	2-17-94	Mexico
481,865	YOUR INTELLIGENT ALTERNATIVE	12-7-94	Mexico
481,866	TELTREND	12-7-94	Mexico

TRADEMARK APPLICATIONS

<u>Application No.</u>	<u>Description of Mark</u>	<u>Date of Application</u>	<u>State or Country</u>
NONE			