

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	MERGER
EFFECTIVE DATE:	11/18/2002

CONVEYING PARTY DATA

Name	Execution Date
Applied Digital Access, Inc.	11/18/2002

RECEIVING PARTY DATA

Name:	Acterna LLC
Street Address:	One Milestone Center Court
City:	Germantown
State/Country:	MARYLAND
Postal Code:	20876

PROPERTY NUMBERS Total: 12

Property Type	Number
Patent Number:	6819655
Patent Number:	5602828
Patent Number:	5553056
Patent Number:	5557616
Patent Number:	5581228
Patent Number:	5875217
Patent Number:	5691976
Patent Number:	5623480
Patent Number:	5703871
Patent Number:	7100092
Patent Number:	6519723
Patent Number:	7072305

CORRESPONDENCE DATA

Fax Number: 6135236799
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
Phone: 613-523-3784 ext.102
Email: melanie@patents.org
Correspondent Name: Teitelbaum & MacLean
Address Line 1: 280 Sunnyside Avenue
Address Line 4: Ottawa, Ontario, CANADA K1S 0R8

ATTORNEY DOCKET NUMBER:	36-80 US, ETC.
NAME OF SUBMITTER:	Melanie Budarick
Signature:	/mdb/
Date:	04/19/2013

Total Attachments: 3
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CERTIFICATE OF MERGER

Merging

APPLIED DIGITAL ACCESS, INC.

Into

ACTERNA LLC

Acterna LLC ("Acterna" or the "Surviving Company"), a limited liability company organized and existing under the laws of the State of Delaware, and Applied Digital Access, Inc. ("ADA" or the "Disappearing Corporation"), a corporation organized and existing under the laws of the State of Delaware and a wholly-owned subsidiary of Acterna, HEREBY CERTIFIBS:

1. That the name and state of incorporation, formation or organization of each of the constituent corporations of the merger is as follows:

<u>Name</u>	<u>State of Incorporation or Organization</u>
Acterna LLC	Organized in Delaware
Applied Digital Access, Inc.	Incorporated in Delaware

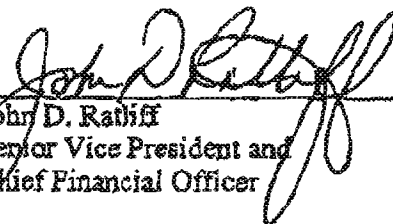
2. That an agreement of merger (the "Agreement") between the parties to the merger has been approved, adopted, certified, executed and acknowledged by each of the constituent entities in accordance with the requirements of each of Section 264 of the General Corporation Law of the State of Delaware and Section 18-209 of the Limited Liability Company Act of the State of Delaware.
3. That the name of the surviving company of the merger is Acterna LLC.
4. That the Certificate of Formation of Acterna LLC shall be the Certificate of Formation of the Surviving Company.

5. That as of November 18, 2002 (the "Effective Date"), the Disappearing Corporation shall be merged with and into the Surviving Company and the separate existence of the Disappearing Corporation shall thereupon cease.
6. That the executed Agreement is on file at the principal place of business of the Surviving Company. The address of the principal place of business of the Surviving Company is Acterna LLC, 12410 Milestone Center Drive, Germantown, Maryland 20876.
7. That a copy of the Agreement will be provided by Acterna upon request and without cost to any person holding an interest in either Acterna or the Disappearing Corporation.

IN WITNESS WHEREOF, Acterna LLC has caused this Certificate to be executed by John D. Ratliff, thereunto duly authorized this 18th day of November 2002.

ACTERNA LLC

By:


John D. Ratliff
Senior Vice President and
Chief Financial Officer