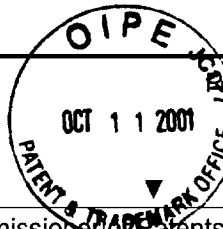


10-19-2001

ocket No.: CIG-102

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(Rev. 6-93)
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Patent and Trademark Office

10-11-01

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jeffrey M. Voas
Frank Charron

Additional names(s) of conveying party(ies) Yes No

2. Name and address of receiving party(ies):

Name: Cigital

Address: 21351 Ridgetop Circle

Suite 400

City: Dulles

State/Prov.: Virginia

Country: USA

ZIP: 20166-6503

Additional name(s) & address(es) Yes No

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: October 5, 2001

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: _____

Patent Application No. Filing date

09/922,650

8/7/01

B. Patent No.(s)

Additional numbers Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michele M. Burris

Registration No. 44,576

Address: SHAW PITTMAN LLP

1650 Tysons Boulevard

City: McLean State/Prov.: VA

Country: USA ZIP: 22102

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

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50-1390

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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.

Michele M. Burris

10/11/01

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and

4

PATENT

REEL: 012251 FRAME: 0285

ASSIGNMENT

WHEREAS, Jeffrey M. Voas, residing at 11611 Cedar Chase Road, Herndon, Virginia 20170 and Frank Charron, residing at 3300 Loudoun Street, SW, Leesburg, Virginia 20175; (hereinafter "Assignors") have invented certain new and useful improvements in

**METHOD FOR REDUCING CATASTROPHIC FAILURES IN CONTINUOUSLY
OPERATING SOFTWARE SYSTEMS**

for a full description of which, reference is here made to an application for Letters Patent of the United States of America

- Executed concurrently herewith
- Executed on
- Serial. No. **09/922,650**, filed **August 7, 2001**

in the U.S. Patent and Trademark Office and to U.S. provisional patent application(s)

- U.S. Serial No. **60/223,435**, filed **August 7, 2000**

in the U.S. Patent and Trademark Office; and

WHEREAS, CIGITAL a corporation of the state of Virginia, having its principal office and place of business at 21351 Ridgetop Circle, Suite 400, Dulles, Virginia 20166-6503 (hereinafter "Assignee") is desirous of acquiring the entire right, title, and interest in, to, and under said invention and application above identified, and in, to, and under any Letters Patent that may be obtained for said invention, together with all foreign rights corresponding thereto, as hereinafter more fully set forth.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that, for good and valuable and legally sufficient consideration, the receipt of which by each Assignor from Assignee is hereby acknowledged, Assignors have agreed to sell, assign, and transfer and by these presents does hereby, sell, assign, and transfer unto

Assignee the entire right, title and interest in, to, and under said invention and application above identified and Letters Patent of the United States of America that may be obtained in respect thereof; any corresponding applications for Letters Patent and Letters Patent therefor in all other areas of the world; and any reissues, extensions, substitutions, confirmations, divisions, and continuations of any of the foregoing (hereinafter "Invention Rights"), to have and to hold for the sole and exclusive use and benefit of Assignee forever.

Assignors hereby covenant and agree, for themselves and for their respective legal representatives, to assist and cooperate with Assignee in the preparation and prosecution of any applications included within the Invention Rights and in the prosecution or defense of any interference, opposition, or other proceeding that may arise in connection with any applications or Letters Patent included within the Invention Rights and further to execute and deliver to Assignee any and all additional papers that may be requested by Assignee for the purpose of implementing the terms of this ASSIGNMENT.

Assignors hereby authorize and empower Assignee to invoke and claim for any applications or Letters Patent included within the Invention Rights the benefit of any rights to which Assignors might be entitled under international law or under the laws of any particular country (such as, without limitation, the right of priority provided by the International Convention for the Protection of Industrial Property, as amended) and to invoke and claim said rights without further written or oral authorization from Assignors.

Assignors hereby consent that a copy of this ASSIGNMENT shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document that may be required in any particular country for any purpose and more particularly in proof of the right of Assignee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended.

ASSIGNMENT

CIG-102

Assignors hereby authorize and request the Commissioner of Patents and the United States Patent and Trademark Office to issue Letters Patent to Assignee in accordance with the terms of this ASSIGNMENT.

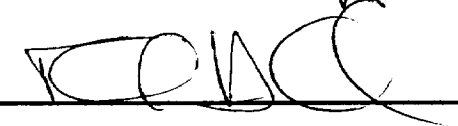
SIGNATURE: _____



NAME: JEFFREY M. WOAS

Date: 10/5/01

SIGNATURE: _____



NAME: FRANK CHARRON

Date: 10/04/01