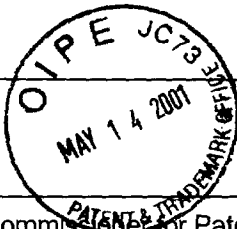


05-18-2001

Attorney Docket No.: **CROSS1340-1**
**101722511**  
 PATENTS ONLY


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

1. Name of Conveying party(ies):

**Robert A. Reynolds**  
**19117 Sotogrande Street**  
**Austin, Texas 78759**
Citizenship: **United States of America**
 Additional name(s) of conveying party(ies)  
 attached? ☒ Yes : ☐ No

5-14-01

2. Name and address of receiving Party(ies)

**Crossroads Systems, Inc.**  
**8300 North MoPac Expressway**  
**Austin, Texas 78759**
State of Incorporation: **Texas**
 Additional name(s) & address(es) attached?  
☐ Yes : ☒ No

3. Nature of conveyance:

- ☒ : **Assignment**                      ☐ : Merger  
☐ : Security Agreement              ☐ : Change of name  
☐ : Other \_\_\_\_\_

Execution Date: **January 9, 2001**

4. Application number(s) or patent number(s):

A. Patent Application No.(s) **09/709,807 filed 11/10/00**

B. Patent No.(s)

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

Additional numbers attached? ☐ Yes : ☒ No

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

 Name : **Armando Pastrana, Jr.**  
**Gray Cary Ware & Freidenrich LLP**  
**100 Congress Avenue, Suite 1440**  
**Austin, Texas 78701**
6. Total number of Applications and patents involved: 17. Total fee (37 CFR 3.41)....\$ 40.008. ☒ Enclosed
 9. ☐ Authorized to charge the recordation fee or  
 any underpayment to deposit account No. 50-0456.

40E

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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.*
**Armando Pastrana, Jr.**  
 Registration No. **44,997**
30 APR 01  
 Date
Total number of pages including cover sheet, attachments, and document: 5

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Additional Names of Conveying Parties:

**John B. Haechten  
28 Country Oaks Drive  
Buda, Texas 78610  
Citizenship: U.S.A.**

**Kenneth D. Smeltzer  
13104 Medina River Way  
Austin, Texas 78732  
Citizenship: U.S.A.**

ASSIGNMENT

This Assignment is made by **Robert A. Reynolds** and **Kenneth D. Smeltzer** of Austin, Texas and **John B. Haechten** of Buda, Texas (hereinafter referred to as "Assignors").

WHEREAS, Assignors have invented a new and useful invention entitled **Encapsulation Protocol for Linking Storage Area Networks Over a Packet-Based Network**, for which an application for United States Letters Patent was made on November 10, 2000, bearing a serial number of 09/709,807; and

WHEREAS, Assignors believe themselves to be the original inventors of the invention disclosed and claimed in said application for Letters Patent; and

WHEREAS, the parties desire to have a recordable instrument assigning the entire right, title and interest in and to said invention, said application and any Letters Patent that may be granted for said inventions in the United States and throughout the world;

NOW, THEREFORE, in accordance with the obligations to assign the invention and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors sell, assign, and transfer to **Crossroads Systems, Inc.** (hereinafter referred to as "Assignee"), the entire right, title, and interest in and to said invention, said application and any Letters Patent that may be granted for said invention in the United States and throughout the world, including the right to file foreign applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

Assignors agree that, upon request and without further compensation, but at no expense to Assignors, they and/or their legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing Letters Patent in the United States and throughout the world for said invention, and for perfecting, recording, or maintaining the title of Assignee, its successors and assigns, to said invention, said application, and any Letters Patent granted for said invention in the United States and throughout the world.

Assignors represent and warrant that they have not granted and will not grant to others any rights inconsistent with the rights granted herein.

Assignors authorize and request the Assistant Commissioner for Patents of the United States and of all foreign countries to issue any Letters Patent granted for said invention, whether on said application or on any subsequently filed divisional, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in said invention.

IN WITNESS WHEREOF, Assignors have executed this Assignment on the date provided below.

Full name of first inventor:

Robert A. Reynolds

Inventor's signature:

Robert A. Reynolds

Date:

1/9/01

Residence (City, County, State)

Pflugerville, Travis, Texas

Citizenship:

United States of America

Post Office Address:

19117 Sotogrande Street  
Austin, Texas 78759

Full name of second inventor:

John B. Haechten

Inventor's signature:

John B. Haechten

Date:

1/04/2001

Residence (City, County, State)

Buda, Hayes, Texas

Citizenship:

United States of America

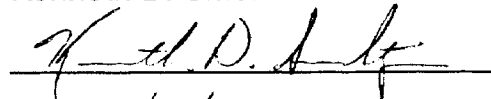
Post Office Address:

28 Country Oaks Drive  
Buda, Texas 78610

Full name of third inventor:

Kenneth D. Smeltzer

Inventor's signature:

  
1/4/01

Date:

Residence (City, County, State)

Austin, Travis, Texas

Citizenship:

United States of America

Post Office Address:

13104 Medina River Way  
Austin, Texas 78732