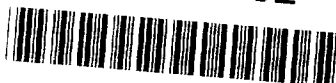


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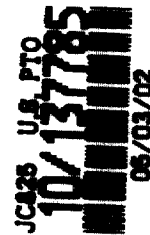


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IBM Docket No.: RPS920010096US1 (IRA-10-5641)
I COVER SHEET
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To the Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>1) CHARLES STEVEN LINGAFELT 2) FRANCIS EDWARD NOEL, JR. 3) ANN MARIE RINCON</p> <p style="text-align: center;">5-3-02</p> <p>Additional names of conveying party(ies) attached? yes <input type="checkbox"/> no <input checked="" type="checkbox"/></p> <p>3. Nature of Conveyance</p> <p><input checked="" type="checkbox"/> Assignment Merger Security Agreement Change of Name Other</p> <p>Execution Date: 1) _May 3, 2002_____ 2) _May 2, 2002_____ 3) _May 1, 2002_____</p>		<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>INTERNATIONAL BUSINESS MACHINES CORPORATION</u></p> <p>Internal Address:</p> <p><u>A New York corporation</u></p> <p>Street Address: <u>New Orchard Road</u> City <u>Armonk</u> State <u>New York</u> Zip <u>10504</u></p> <p>Additional name(s) & addresses attached? yes <input type="checkbox"/> no <input checked="" type="checkbox"/></p>	
<p>4. Application number(s) or patent number(s):</p> <p>Title: TRAFFIC ROUTING MANAGEMENT SYSTEM USING THE OPEN SHORTEST PATH FIRST ALGORITHM</p> <p>If this document is being filed together with a new application, the execution date of the application is _ May 3, 2002; May 2, 2002; May 1, 2002.</p> <p>A. Patent Application No(s). B. Patent No(s). Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>			
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>JOSCELYN G. COCKBURN IBM Corporation Dept. 9CCA/B002 3039 Cornwallis Road Research Triangle Park, NC 27709</p>		<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41): <u>\$40.00</u></p> <p>Enclosed</p> <p>Authorized to be charged to deposit account Total fee due Any deficiencies in the enclosed fees</p> <p>8. Deposit account number: <u>09-1990</u> (Attach duplicate copy of this page if paying by deposit account)</p>	
DO NOT USE THIS SPACE			
<p>9. Statement and signature</p> <p>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.</p> <p><u>Joselyn G. Cockburn</u> <u>MAY 3, 2002</u> Name of Person Signing Date</p> <p>Reg. No. <u>27,069</u> Tel: <u>919-543-9036</u></p> <p style="text-align: right;">Total number of pages comprising transmittal: <u>3</u></p>			



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ASSIGNMENT

Whereas, I

Inventor

- (1) **CHARLES STEVEN LINGAFELT**
of Durham, North Carolina, USA
- (2) **FRANCIS EDWARD NOEL, JR.**
of Durham, North Carolina, USA
- (3) **ANN MARIE RINCON**
of Burlington, Vermont, USA

have invented certain improvements in

Title:

**TRAFFIC ROUTING MANAGEMENT SYSTEM USING
THE OPEN SHORTEST PATH FIRST ALGORITHM**

Date That

and have executed, respectively, a United States patent application therefor on

Inventor

Signed the

- (1) 5/03/02, (2) 05/02/02, and
- (3) 05/01/02.

Declaration

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patent to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I the above named hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue and Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

City

(1)

Signed at

RTP, NC

Date

on

5/3/02


(CHARLES STEVEN LINGAFELT

Signature
)inventor

RPS920010096US1 (IRA-10-5641)

City (2) Signed at RTP, NCDate on 05/02/02

 Signature
(FRANCIS EDWARD. NOEL, JR.) inventor

City (3) Signed at Essex Junction, VTDate on 05/01/02

 Signature
(ANN MARIE RINCON) inventor