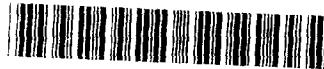


FORM PTO-1619A  
Expires 06/30/99  
OMB 0651-0027

03-29-2002



102037259

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

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

JP86 U.S. PTO  
10/103031

03/21/02

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

**Submission Type**

- ☒ New **03/21/02**  
☐ 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)  Brian E. Angliss  03/19/02

Name (line 2)

**Second Party**

Execution Date  
Month Day Year

Name (line 1)  James M. Dougherty  03/19/02

Name (line 2)

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1)  Carrier Access Corporation  
Name (line 2)  5395 Pearl Parkway  
Address (line 1)   
Address (line 2)   
Address (line 3)  Boulder  Colorado  80301  
City State/Country Zip Code  
☐ 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.)

**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)

FOR OFFICE USE ONLY

03/26/2002 MMEKONEN 00000047 10103031

02 FC:581

40.00 DP

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: 012719 FRAME: 0779**

**Correspondent Name and Address**

Area Code and Telephone Number **303-473-2708**

Name **Earl C. Hancock**

Address (line 1) **HOLLAND & HART LLP**

Address (line 2) **P. O. Box 8749**

Address (line 3)

Address (line 4) **Denver, Colorado 80201**

**Pages**

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

# **5**

**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)**

**60/279,910**

**Patent Number(s)**

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  
**03/19/02**

**Patent Cooperation Treaty (PCT)**

Enter PCT application number

only if a U.S. Application Number has not been assigned.

PCT  PCT  PCT   
PCT  PCT  PCT

**Number of Properties**

Enter the total number of properties involved.

# **1**

**Fee Amount**

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

**40.00**

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:

# **082623**

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.*

**Earl C. Hancock**

Name of Person Signing

Signature

Date

**3/21/02**

**A S S I G N M E N T**

WHEREAS, we, Brian E. Angliss and James M. Dougherty having residence addresses of 10934 Steele Street, Northglenn, Colorado 80233 and 9817 S. Spring Hill Lane, Highlands Ranch, Colorado 80129, respectively, have made a certain new and useful invention relating to a A CUSTOMER SERVICES TERMINAL METHOD AND APPARATUS FOR TESTING A PLURALITY OF INTERFACE CIRCUITS AND TELEPHONE LINES THAT ARE CONNECTED THERETO, for which we are making or we have made application for Letters Patent of the United States, said application being identified by Docket No. 40405.830018.000, in the law firm of Holland & Hart LLP, P.O. Box 8749, Denver, Colorado 80201 and which claims priority from the provisional application filed in the U.S. Patent Office on March 29, 2001, as Serial No. 60/279,910 and

WHEREAS, we now own the entire right, title and interest therein; and

WHEREAS, Carrier Access Corp. (hereinafter "Assignee"), a Colorado corporation whose post office address is 5395 Pearl Parkway, Boulder, Colorado 80301, is desirous of acquiring the entire interest in and to said invention, said application, and the Letters Patent to be obtained therefor;

NOW THEREFORE, for valuable consideration, receipt and adequacy of which is hereby acknowledged, we have sold, assigned, and set over, and by these presents do hereby sell,

assign, and set over, unto the said Carrier Access Corp., and said Assignee's legal representatives, successors, and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign and domestic, that may or shall issue thereon; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned Assignee, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, we do hereby covenant and agree with the said Assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration, but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuation, continuation-in-part, renewal, continuing, reissued or extended Letters Patent of the United States, or of any and all foreign countries, on said invention, and in enforcing any rights or chose in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other

affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

IN WITNESS WHEREOF, and having read this entire document including all prior pages, we have hereunto set our hands and affixed our seals on the date hereinafter set forth.

Date: 3/19/02

  
\_\_\_\_\_  
Brian E. Angliss

Date: 3/19/02

  
\_\_\_\_\_  
James M. Dougherty