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03-06-2003

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To the Commissioner, United States Patent and Trademark Office

102381841

checked original documents or copy thereof.

<b>1. Name of conveying party(ies)</b> (1) Donald T. Davis (2) Elizabeth A. Martin (3) Mathew J. Hostetter (4) David A. Kranz  Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies)</b> Name: <u>Curl Corporation</u> Internal Address: _____ _____ _____ Street Address: <u>One Cambridge Center</u> _____ City: <u>Cambridge</u> State: <u>MA</u> ZIP: <u>02142</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>(1)2/14/03; (2)2/20/03; (3) 1/28/03; (4)2/13/03</u>			
<b>4. Application number(s) or patent number(s):</b> If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s) <u>10/269,102</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b> Name: <u>James M. Smith, Esq.</u> Internal Address: _____ <u>Hamilton, Brook, Smith &amp; Reynolds, P.C.</u> _____ Street Address: <u>530 Virginia Road, P.O. Box 9133</u> _____ City: <u>Concord</u> State: <u>MA</u> ZIP: <u>01742-9133</u>		<b>6. Total number of applications and patents involved</b> <u>03</u> <b>7. Total Fee (37 C.F.R. 3.41)..... \$</b> <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge any deficiencies or credit any overpayment to deposit account <input type="checkbox"/> Authorized to be charged to deposit account  <b>8. Deposit account number:</b> <u>08-0380</u> (Attach duplicate copy of this page if paying by deposit account)	
<b>DO NOT USE THIS SPACE</b>			
<b>9. Statement and signature.</b> <i>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.</i>  C. Steven Kurlowecz Name of Person Signing   Signature  <u>2/28/03</u> Date  Total number of pages including cover sheet, attachments, and document: <u>[ 17 ]</u>			

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PATENT  
REEL: 013802 FRAME: 0936

JointASSIGNMENT

WHEREAS, we, **Donald T. Davis, Elizabeth A. Martin, Mathew J. Hostetter and David A. Kranz**, have invented a certain improvement in **SYSTEM AND METHOD FOR SPECIFYING ACCESS TO RESOURCES IN A MOBILE CODE SYSTEM** described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on **October 10, 2002** as Application No. **10/269,102**;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Curl Corporation** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **400 Technology Square, 8th Floor, Cambridge, Massachusetts 02139** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor's Signature: \_\_\_\_\_

Donald T. Davis

State/Commonwealth \_\_\_\_\_

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Donald T. Davis** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 14 day of February, 2003.

(SEAL)

Notary Public

(print name)

My Commission expires \_\_\_\_\_

MARLENE A. CONNOR

NOTARY PUBLIC

MY COMMISSION EXPIRES 8-5-2005

Inventor's Signature: \_\_\_\_\_

**Elizabeth A. Martin**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Elizabeth A. Martin** and  
acknowledged that he/she executed the foregoing instrument as his/her free act and deed this  
\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

Inventor's Signature: \_\_\_\_\_

**Mathew J. Hostetter**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Mathew J. Hostetter** and  
acknowledged that he/she executed the foregoing instrument as his/her free act and deed this  
\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

---

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Inventor's Signature: \_\_\_\_\_

**David A. Kranz**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **David A. Kranz** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

JointASSIGNMENT

WHEREAS, we, **Donald T. Davis, Elizabeth A. Martin, Mathew J. Hostetter and David A. Kranz**, have invented a certain improvement in **SYSTEM AND METHOD FOR SPECIFYING ACCESS TO RESOURCES IN A MOBILE CODE SYSTEM** described in an application for Letters Patent of the United States, the specification of which:

☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;

☒ was filed on **October 10, 2002** as Application No. **10/269,102**;

☐ was patented under U.S. Patent No. ☐ on ☐.

WHEREAS, **Curl Corporation** (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the **State of Delaware**, and having a usual place of business at **400 Technology Square, 8th Floor, Cambridge, Massachusetts 02139** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

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Inventor's Signature: \_\_\_\_\_

**Donald T. Davis**

State/Commonwealth \_\_\_\_\_

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Donald T. Davis** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

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Inventor's Signature: \_\_\_\_\_

Elizabeth A Martin  
Elizabeth A Martin

**Elizabeth A. Martin**

State/Commonwealth

of MASSACHUSETTS

County of Middlesex

Then personally appeared before me the above-named **Elizabeth A. Martin** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 20 day of February, 2003.

(SEAL)

Adam Nigro  
ADAM NIGROSI

Notary Public

(print name)

My Commission expires 2/23/2007

Inventor's Signature: \_\_\_\_\_

**Mathew J. Hostetter**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Mathew J. Hostetter** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(SEAL)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Notary Public

(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_



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Inventor's Signature: \_\_\_\_\_

**David A. Kranz**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **David A. Kranz** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

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Inventor's Signature: \_\_\_\_\_

**Donald T. Davis**

State/Commonwealth \_\_\_\_\_

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Donald T. Davis** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

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Inventor's Signature: \_\_\_\_\_

**Elizabeth A. Martin**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Elizabeth A. Martin** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

Inventor's Signature: \_\_\_\_\_

**Mathew J. Hostetter**

State/Commonwealth

of Ma

County of Middlesex

Then personally appeared before me the above-named **Mathew J. Hostetter** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 28 day of January, 2003.

(SEAL)

\_\_\_\_\_  
Notary Public  
\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

NOTARY PUBLIC  
MY COMMISSION EXPIRES 3-5-2005

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Inventor's Signature: \_\_\_\_\_

**David A. Kranz**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **David A. Kranz** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

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---

Inventor's Signature: \_\_\_\_\_

**Donald T. Davis**

State/Commonwealth \_\_\_\_\_

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Donald T. Davis** and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

---

---

Inventor's Signature: \_\_\_\_\_

**Elizabeth A. Martin**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Elizabeth A. Martin** and  
acknowledged that he/she executed the foregoing instrument as his/her free act and deed this  
\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

Inventor's Signature: \_\_\_\_\_

**Mathew J. Hostetter**

State/Commonwealth

of \_\_\_\_\_

County of \_\_\_\_\_

Then personally appeared before me the above-named **Mathew J. Hostetter** and  
acknowledged that he/she executed the foregoing instrument as his/her free act and deed this  
\_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

(SEAL)

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_



Inventor's Signature: \_\_\_\_\_

David A. Kranz  
David A. Kranz

State/Commonwealth

of \_\_\_\_\_

Ma

County of \_\_\_\_\_

Middlesex

Then personally appeared before me the above-named **David A. Kranz** and acknowledged that he/~~she~~ executed the foregoing instrument as his/her free act and deed this 13 day of February 2003

(SEAL)

Marlene

Notary Public

(print name)

My Commission Expires ANNOR /     /    

NOTARY PUBLIC

MY COMMISSION EXPIRES 8-5-2005