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U.S. Department of Commerce  
Patent and Trademark Office

Attorney Docket No 82001-0391



102334131

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

1. Name of conveying party(ies):

Myrick CRAMPTON and Sunil SOMAN

1-6-03

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Manugistics, Inc.

Street address: 9715 Key West Avenue  
Rockville, Maryland 20850Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment  
☐ Security Agreement  
☐ Other: Employment Agreement  
☐ Merger  
☐ Change of Name  
 Execution Date: December 20 & 30, 2002

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

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

Serial No. 10/287,805 Filed November 5, 2002

B. Patent No. (s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Celine Crowson  
 Internal Address: Hogan & Hartson LLP  
 Street Address: Columbia Square  
 555 Thirteenth Street, N.W.  
 City: Washington State: D.C. Zip: 20004-1109

Customer No. 24633

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

8. Deposit account number: 50-1349  
 (Attach duplicate copy of this page if paying by deposit account)

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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.

Celine Crowson Reg. No. 40,357

Name of Person signing

Signature

January 6, 2003  
 Date

Total number of pages including cover sheet, attachments and document: 3 pages

01/09/2003 LUMELER 00000214 10287805

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Mail documents to be recorded with required cover sheet information to:  
 Commissioner of Patents & Trademarks, Box Assignments  
 Washington, D.C. 20231

PATENT  
 REEL: 013636 FRAME: 0591

ASSIGNMENT

WHEREAS WE, the below named inventors [hereinafter referred to as Assignors], have made an invention entitled:

**SYSTEM AND METHOD FOR REPLENISHMENT BY PURCHASE WITH ATTRIBUTE BASED PLANNING**

for which an application for United States Letters Patent is filed herewith or an application for United States Letters Patent was filed as application number **10/287,805**, on **November 5, 2002**;

AND WHEREAS, **Manugistics, Inc.** a corporation of **Delaware**, whose post office address is **9715 Key West Avenue, Rockville, Maryland 20850**, [hereinafter referred to as Assignee], is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW, THEREFORE, be it known that, for and in consideration of the sum of one dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from assignee, is hereby acknowledged, WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, OUR entire right, title and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such application, and all applications for Letters patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals and reissues thereof; and WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that WE have the full right to convey the interest assigned by this Assignment, and WE have not executed and will not execute any agreement in conflict with this Assignment;

AND WE HEREBY further covenant and agree that WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by assignees, its successors and assigns.

WE hereby authorize the registered practioners of Hogan & Hartson LLP to insert here in parentheses (Application number **10/287,805**, filed **November 5, 2002**) the application number and filing date when known.

IN TESTIMONY WHEREOF, WE have hereunto set our hands.

Country United States of America

**Myrick CRAMPTON**  
Full Name of First Inventor

State of \_\_\_\_\_

**19926 Sweetgum Circle #12**  
**Germantown, Maryland 20874**  
Address

SS:

Subscribed and sworn before me

  
Assignor's Signature

this \_\_\_\_ day of \_\_\_\_\_, 2002

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

**12/20/02**  
Date

Country United States of America

**Sunil SOMAN**  
*Full Name of Second Inventor*

State of \_\_\_\_\_

**3701 S. George Mason Drive, Apt. #1212-N**  
**Falls Church, Virginia 22041**

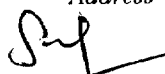
*Address*

SS:

Subscribed and sworn before me

this \_\_\_\_ day of \_\_\_\_\_, 2002

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



*Assignor's Signature*

12/30/02

*Date*