

11-12-1999

ER SHEET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

11.2.99



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d the attached original documents or copy

To the Honorable Assistant Commissi  
thereof.

## 1. Name of conveying party(ies):

Marc Alexander Najork  
Clark Allan HeydonAdditional name(s) of conveying  
party(ies) attached?

[ ] Yes [x] No

## 3. Nature of Conveyance:

[X] Assignment [ ] Merger  
[ ] Security Agreement [ ] Change of Name  
[ ] Other

Execution Date: November 2, 1999

## 2. Name and address of receiving party(ies):

Name: Alta Vista Company

Internal Address:

Street Address: 529 Bryant Street

City: Palo Alto

State: California Zip: 94301

Additional name(s) &amp; address(es) attached? [ ] Yes [X] No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: November 2, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/433008

Additional numbers attached? [ ] Yes [X] No

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

Name: Gary S. Williams

Internal Address: PENNIE &amp; EDMONDS LLP

Street Address: 3300 HILLVIEW AVENUE

City: PALO ALTO

State: CA

Zip: 94304

6. Total number of applications  
and patents involved: 1

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

[ ] Enclosed

[XX] Authorized to be charged to deposit  
account

8. Deposit account number: 16-1150

Please debit any underpayment or credit any  
overpayment to the above deposit account.

Our Order No. 10130-0008-999

11/02/1999 JSW00077 00000007 161150 09433008

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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.

Gary S. Williams, Reg. 31,066

Name of Person Signing

Signature

November 2, 1999

Date

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

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Honorable Commissioner of Patents and Trademarks, Box Assignments, Washington, DC 20231

File No. 10130-0008-999

Rev. 8/93 (124014)

## ASSIGNMENT

WHEREAS, WE, **MARC ALEXANDER NAJORK**, a resident of Palo Alto, California, a citizen of Germany; and **CLARK ALLAN HEYDON**, a resident of San Francisco, California, a citizen of The United States (hereinafter "ASSIGNORS"), have invented certain new and useful improvements in **SYSTEM AND METHOD FOR EFFICIENT REPRESENTATION OF DATA SET ADDRESSES IN A WEB CRAWLER**, and having executed concurrently herewith an application for a United States patent disclosing and identifying the invention; which is identified by Pennie & Edmonds LLP docket no. 10030-0008-999; and

WHEREAS, **ALTA VISTA COMPANY**, a corporation created and existing under and by virtue of the laws of the State of Delaware, is (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in and to the aforesaid application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries. to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said application for U.S. Letters Patent, and any and all divisions, continuations and renewals thereof, and any and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

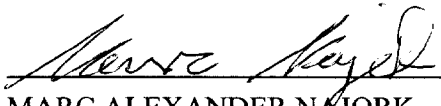
AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

The terms, covenants and conditions of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding on said Inventors, their heirs, legal representatives and assigns.

IN TESTIMONY WHEREOF, said Inventors have executed and delivered this instrument to said Assignee the day and year below written.

1.

  
MARC ALEXANDER NAJORK

State of California )  
County of Santa Clara ) SS.:

On this 2nd day of November, 1999, before me, a Notary Public in and for the State and County aforesaid, personally appeared Marc Alexander Najork, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.  
WITNESS my hand and official seal.

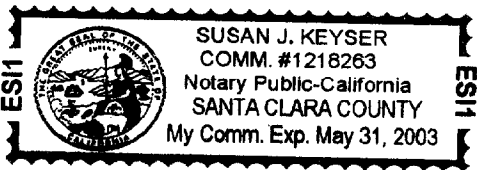
Seal:  Notary Public.

2.

  
CLARK ALLAN HEYDON

State of California )  
County of Santa Clara ) SS.:

On this 2nd day of November, 1999 before me, a Notary Public in and for the State and County aforesaid, personally appeared Clark Allan Heydon, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.  
WITNESS my hand and official seal.

Seal:  Notary Public.