503189918 02/23/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEFFREY DEAN BLACK	08/06/1998
MONIKA R. HENZINGER	08/05/1998
ANDREI Z. BRODER	08/05/1998

RECEIVING PARTY DATA

Name:	DIGITAL EQUIPMENT CORPORATION
Street Address:	111 POWDERMILL ROAD
City:	MAYNARD
State/Country:	MASSACHUSETTS
Postal Code:	01754

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10702116

CORRESPONDENCE DATA

Fax Number:

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ATTORNEY DOCKET NUMBER:	022994-0427305
NAME OF SUBMITTER:	TAIRAN WANG
SIGNATURE:	/Tairan Wang/
DATE SIGNED:	02/23/2015

Total Attachments: 5

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PATENT 503189918 REEL: 035004 FRAME: 0799

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PATENT REEL: 035004 FRAME: 0800

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ASSIGNMENT

WHEREAS, Jeffrey Dean, Monika R. Henzinger and Andrei Z. Broder have made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled "Method for Identifying Related Pages in a Hyperlinked Database", the specification of which was executed by us on the date(s) indicated below;

WHEREAS, Digital Equipment Corporation, a corporation of the Commonwealth of Massachusetts, whose address is 111 Powdermill Road, Maynard, Massachusetts 01754, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title, and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation;

- Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent:
- 2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name of Assignee or otherwise as Assignee may deem advisable,

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under the International Convention or any other relevant convention or treaty or otherwise;

- 3. Authorize and request the Assistant Commissioner for Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as Assignee of the entire right, title and interest therein or otherwise as Assignee may direct;
- 4. Warrant that we have not knowingly conveyed to others any rights in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;
- Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonable serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs, legal representatives or assigns which may be useful for establishing any facts of our conceptions, disclosures, and reduction to practice of said inventions or discoveries.

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IN WITNESS WHEREOF:
DATE I SIGNED INVENTOR'S DECLARATION: 8/6/98
Today's Date: 8/6/98 Jeffrey Dean
State of California, County of:
Santa Clara
On Agus 6, 1998 before me, UNHES H. WASON, When Public, personally appeared, Jeffrey Dean,
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 executed the same in his authorized capacity, and that by his 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:
Signature: Jon H. Man
Name: JAMCT A. MASON
My Commission Expires: Sp 10, 2000
Seal:

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PLG 6/95 DECL-APP.FRM



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IN WITNESS WHEREOF:
DATE I SIGNED INVENTOR'S DECLARATION: 8/5/98
Today's Date: 8/5/99 Monika R Henzingen
Monika R. Henzinger
State of California, County of:
Sarte Clore
on Acut 5 199t before me
On Argust 5, 199 the before me, JAMES H. WASST WAS 1186, personally appeared, Monika R.
Henzinger, 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 executed the same in his authorized capacity, and that by his
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:
Signature: fam 13. May
Signature:
Name: JAMES A, MASON
C = 10 2000
My Commission Expires:
Seal:
JAMES H. MASCH Commission # 110459 Notary Ruble — California
PLG 6/95 Santa Clara County My Comm. Expires Sep 10, 2000

PATENT REEL: 035004 FRAME: 0804

IN WITNESS WHEREOF:
DATE I SIGNED INVENTOR'S DECLARATION: $8/5/98$.
Today's 8/5/98 Date: 8/5/98 Andrei Z. Broder
State of California, County of: South Clene
On Avg 1st 5, 1998 before me, JAMES H. WASON, Notary Public, personally appeared, Andrei Z.
Broder, 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 executed the same in his authorized capacity, and that by his 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:
Signature: Jon H. My
Name: JAMES H. MASON My Commission Expires: Se 10, 2000.
My Commission Expires:
Seal: JAMES N. MACON Commission # 110M Notary Public — Colle Santa Clara Count
My Comm. Explies Sep 1

PATENT REEL: 035004 FRAME: 0805