MRD 7-30-9

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100982933 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Lee-Chin H. Liu Charles A. Johnson Lowell L. Baerenwald UNISYS Corporation James M. Plasek M.S. 4772 Michael S. Jende PO Box 64942 RECEIVED Kenji Yondea St. Paul, MN 55113 Additional name(s) & address(es) attached? ☐ Yes **⊠** No 3. Nature of Conveyance: Assignment Change of Name Merger Security Agreement Other Additional name(s) of conveying party(ies) attached? Execution Date: 3/31/98; 6/25/98; 7/29/98; 7/30/98 Yes **⊠** No 4. Application number(s) or patent number(s): Unknown If this document is being filed together with a new application, the execution date of the application is: July 31, 1998 A. Patent Application No.(s) B. Patent No.(s) 156.003US1 (Unisys Ref No. RA-5067) SERIAL NUMBER 09/135,313 Additional numbers attached?

Yes ☑ No 5. Name and address of party to whom 6. Total number of applications and patents involved: correspondence concerning document should be mailed: Charles A. Johnson **UNISYS** Corporation 7. Total fee (37 CFR 3.41) \$40.00 Attn: **Enclosed** M.S. 4772 X Authorized to be charged to Deposit Account PO Box 64942 St. Paul, MN 55113 8. Deposit Account Number: 19-3790 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. Charles A. Johnson July 31, 1998

08/14/1998 DNGUYEN 00000008 193790 156003 40.00 CH 01 FC:581

Name of Person Signing

Date

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PATENT

REEL: 9805 FRAME: 0266

ASSIGNMENT

WHEREAS, we, LEE-CHIN HSU LIU, residing at 13315 32nd Avenue North, Plymouth, Minnesota 55441 LOWELL L. BAERENWALD, residing at 2011 Safari Heights Trail, Eagan, Minnesota 55112, JAMES M. PLASEK, residing at 5889 Alameda Street, Shoreview, Minnesota 55126-4648; MICHAEL S. JENDE, residing at 2730 Crown Hill Court, White Bear Lake, Minnesota 55110; and KENJI YONEDA, residing at 1-14-30-201 Shimosyakuji, Nerimaku, Tokyo, Japan, 177, are inventors of the inventions of the patent application for United States patent entitled HYBRID HASH JOIN PROCESS;

WHEREAS, Unisys Corporation, a corporation of the state of Delaware having a place of business at Township Line and Union Meeting Roads, Blue Bell, Pennsylvania 19424, is desirous of acquiring the entire right, title and interest in said inventions, said application and in any patents which may be granted thereon;

NOW THEREFORE, for valuable consideration, the receipt of which is hereby acknowledged, we hereby assign, sell and transfer unto said Unisys Corporation, its successors and assigns (hereinafter "Assignee"), our entire right, title and interest in and to all inventions disclosed in said application, in and to said application and in and to any patents for the United States of America, its territories and possessions and all foreign countries resulting from said inventions and said patent application, including all divisions, continuations, reissues and extensions thereof, all rights to claim priority based thereon, all rights to file foreign applications on said inventions, and all patents, reissues and extensions thereof, issuing for said invention in the United States of America and in any and all foreign countries.

We hereby grant to Assignee the right to apply in its own name for patents corresponding to the above inventions in countries foreign to the United States, and all priority rights resulting from the above-identified United States patent application, we hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all patents that may be granted for said inventions to Assignee, and we agree that we and our successors, assigns or legal representatives thereof, shall be legally bound without additional compensation (except for any statutory fee applicable to witnesses), but without cost to us, to promptly communicate to Assignee or its representatives, all facts known to us or in our possession respecting said inventions whenever requested, to testify in any legal proceedings, to sign all lawful papers, execute all divisional, continuing and reissue applications, to make all rightful oaths and to generally aid our said Assignee, its successors and assigns, as and when requested by them, in obtaining in the name of the Assignee and in enforcing proper patent protection for said inventions on behalf of the Assignee, in the United States and all countries foreign thereto.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which conflicts, or would be in conflict, with this Assignment.

The parties hereto acknowledge that they have specifically requested the present agreement to be drawn up in the English language.

PATENT REEL: 9805 FRAME: 0267 Les parties aux presentes declarent que le present acte a ete redige en anglais a leur demande expresse.

Inventor LEE-CHIN HSU LIU (Typed Name) STATE OF Minnesota COUNTY OF Henrepin Sworn to and subscribed before me this 315t day of March, 1998 by Lee-Chin Hsu Liu. MARSHA ROUCH **Notary Public** NOTARY PUBLIC-MINNESQTA Inventor LOWELL L BAERENWALD (Typed Name) (Signature) STATE OF Minnesola COUNTY OF Kamouy Sworn to and subscribed before me this 200 day of July, 1998 by Lowell L. Baerenwald. Inventor (Typed Name) STATE OF **COUNTY OF** Sworn to and subscribed before me this 30 day of 1998 by James M. Plasek.

| Michael S. Jende | Inventor Mikael & Jende | July 29.199 |
|--|--------------------------------|--|
| (Typed Name) | (Signature) | (Date) |
| STATE OF MANNEY COUNTY OF Karnsuy Sworn to and subscribed before Notary Public | me this 29 day of July, 1998 (| PENEE NEUMAN HENNEPIN COUNTY My Comm. Expires Jan. 31 2000 |
| | Inventor | |
| KENJI YONEDA (Typed Name) | (Signature) | (Date) |
| STATE OF | | |
| Sworn to and subscribed before | me this day of, 1998 | by Kenji Yoneda. |

Assignment

Notary Public

Attorney Docket #156.003US1 - Unisys Ref. No. RA 5067

PATENT REEL: 9805 FRAME: 0269

Page 3

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the purpose therein expressed.

| | Inventor | |
|--------------------------------|--|-----------------------------|
| Michael S. Jende | | |
| (Typed Name) | (Signature) | (Date) |
| STATE OF | | |
| COUNTY OF | | |
| Sworn to and subscribed befor | re me this day of, 1998 by N | Michael S. Jende. |
| Notary Public | | |
| | Inventor | |
| KENJI YONEDA | Janah. | 1988. 6.25 (Date) |
| (Typed Name) | (Signature) | (Date) |
| Details of Country | | |
| and place of signing assignmen | nt | |
| | | |
| | | |
| | | |
| | | |
| Defere me this | day of JiMle 1998 personally | anneared the above name |
| individual, to be known to be | e the person who is described in and w | ho executed the foregoing |
| assignment instrument and ack | knowledged to me that he executed the sa | me of his own free will for |

Notary Public of Consular Officer of the United

States of America

Notary

Tokyo Legal Affairs Bureau

1-1-12 Nerima, Nerima-ku, Tokyo, Japan.

> PATENT REEL: 9805 FRAME: 0270



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東京法務局所 幣人

東京法務局所属公証人の署名に相違ないものであ り、かつ、その押印は、真実のものであることを証明する。 令 田 11]

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平成 10 年

上記署名は、

CERTIFICATE

This is to certify that the signature affixed above has been provided by Notary, duly authorized by the Tokyo Legal Affairs Bureau and that the Official Seal appearing on the same is genuine.

Date J une. 25, 1998

Director of the Tokyo Legal Affairs Bureau Hiroshi MITANI

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country: JAPAN

This public document

has been signed by લં

Hiroshi MITANI

3. acting in the capacity of Director of the Tokyo Legal Affairs Bureau

4. bears the seal/stamp of

Certified

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by the Ministry of Foreign Affairs 7.

5. at Tokyo

98 - Nº 007594 oó

9. Seal/stamp:

10. Signature:

Jekanh.

For the Minister for Foreign Affairs Takashi SUZUKI

PATENT REEL: 9805 FRAME: 0271

RECORDED: 07/30/1998