

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.

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)

Lee-chin Liu
(Signature)

3/31/98
(Date)

STATE OF Minnesota
COUNTY OF Hennepin

Sworn to and subscribed before me this 31st day of March, 1998 by Lee-Chin Hsu Liu.

Marsha Rouch
Notary Public



Inventor

LOWELL L. BAERENWALD
(Typed Name)

Lowell L. Baerenwald
(Signature)

7/29/98
(Date)

STATE OF Minnesota
COUNTY OF Ramsey

Sworn to and subscribed before me this 29th day of July, 1998 by Lowell L. Baerenwald.

Renee Neuman
Notary Public



Inventor

James M. Plasek
(Typed Name)

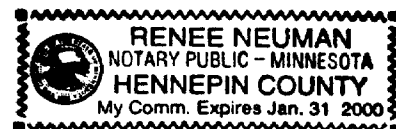
James M. Plasek
(Signature)

7/30/98
(Date)

STATE OF Minnesota
COUNTY OF Ramsey

Sworn to and subscribed before me this 30th day of July, 1998 by James M. Plasek.

Renee Neuman
Notary Public



Inventor

Michael S. Jende
(Typed Name)

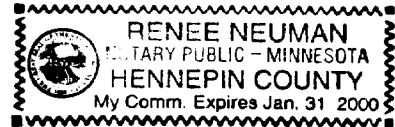
Michael S Jende
(Signature)

July 29, 1998
(Date)

STATE OF Minnesota
COUNTY OF Ramsey

Sworn to and subscribed before me this 29th day of July, 1998 by Michael S. Jende.

Renee Neuman
Notary Public



Inventor

KENJI YONEDA
(Typed Name)

(Signature)

(Date)

STATE OF _____
COUNTY OF _____

Sworn to and subscribed before me this ____ day of _____, 1998 by Kenji Yoneda.

Notary Public

Inventor

Michael S. Jende

(Typed Name)

(Signature)

(Date)

STATE OF _____

COUNTY OF _____

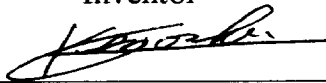
Sworn to and subscribed before me this ____ day of _____, 1998 by Michael S. Jende.

Notary Public

Inventor

KENJI YONEDA

(Typed Name)



(Signature)

1998. 6. 25

(Date)

Details of Country _____
and place of signing assignment _____

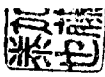
Before me this 25 day of June 1998 personally appeared the above named individual, to be known to be the person who is described in and who executed the foregoing assignment instrument and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.


Notary Public or Consular Officer of the United States of America

Notary

Tokyo Legal Affairs Bureau

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



平成 10 年 登簿 第 178 号

認 証

囑託人米田健治は、本公証人の面前で別添書面（英文のもの）に署名した。

よって、これを認証する。

平成 10 年 6 月 25 日、本公証人役場において

東京法務局所属

公証人

Handwritten signature of Hiroshi Mitani in black ink.



証 明

上記署名は、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。

平成 10 年 6 月 25 日

東京法務局長 三谷



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

Hiroshi MITANI
Director of the Tokyo Legal Affairs Bureau

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country: JAPAN

This public document

2. has been signed by Hiroshi MITANI

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

4. bears the seal/stamp of

Certified

5. at Tokyo

7. by the Ministry of Foreign Affairs

8. 98 - No 007594

9. Seal/stamp:

10. Signature:

Handwritten signature of Takashi Suzuki in black ink.

Takashi SUZUKI

For the Minister for Foreign Affairs

