

Form PTO-1595 (Modified)

(Rev. 6-93)

OMB 0651-0011 (exp. 4/94)

10-30-2000



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PATENTS ONLY

HEET

U.S. Department of Commerce

Patent and Trademark Office

PATENT

AUG 31

TO: The Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies):

Greg Hogdal

Yadhu N. Gopalan

David M. Sauntry

James A. Stulz

8-31-00

2. Nature of Conveyance:

Assignment Security Agreement

License Change of Name

Merger Other

Execution Date: 6/27/2000

3. Name and address of receiving party(ies):

Name: Microsoft Corporation

Address: One Microsoft Way

City: Redmond

State: WA

Country: USA

ZIP: 98052

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

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

Patent Application No.

Patent No.(s)

09/557,268

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

Name: Michael Dryja

Registration No.: 39,662

Address: Law Offices of Michael Dryja
704 228th Ave NE PMB 694

City: Redmond

State: WA

Country: USA

ZIP: 98053

Telephone: 425-427-5094

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized to be charged to credit card as indicated on attached Form 2038.

8. Deposit account number:

DO NOT USE THIS SPACE

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.

Michael Dryja

Name of Person Signing

Signature

Date

8-24-00

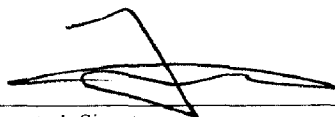
ASSIGNMENT

WHEREAS, we, Greg Hogdal, Yadhu N. Gopalan, David M. Sauntry, and James A. Stulz (hereinafter referred to as ASSIGNORS), are the joint inventors of an invention entitled Target Control Abstraction for Debugging Embedded Systems as described and claimed in the specification forming part of an application for United States letters patent filed on 4/24/2000, and assigned Serial No. 09/557,268;

WHEREAS, Microsoft Corporation (hereinafter referred to as ASSIGNEE), a corporation of the State of Washington having a place of business at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

IN WITNESS WHEREOF, We have hereunto signed our names on the day and year set forth below.



Inventor's Signature

6/19/2000

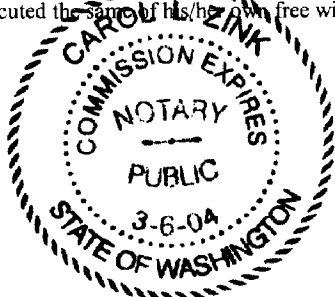
DATE

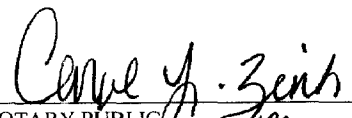
Greg Hogdal

Inventor's Printed Name

STATE OF Washington)
COUNTY OF KING) ss

On this 19 day of June, 2000, before me personally came the above named Greg Hogdal who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

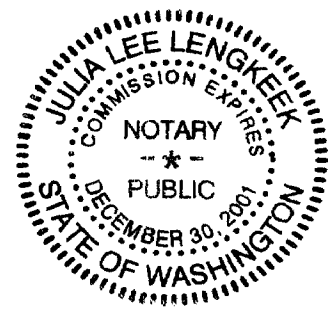




NOTARY PUBLIC
My Commission Expires: March 6, 2004

Yadhu N. Gopalan
Inventor's Signature

June 27, 2000
DATE



Yadhu N. Gopalan
Inventor's Printed Name

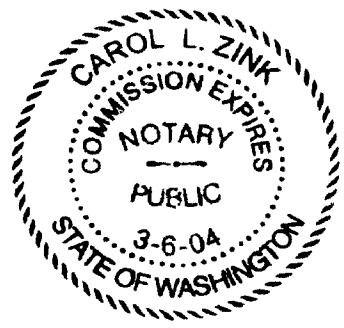
STATE OF Washington)
COUNTY OF King) SS

On this 27 day of June, 2000, before me personally came the above named Yadhu N. Gopalan who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Julia Lee Lengkeek
NOTARY PUBLIC
My Commission Expires: 12-30-2001

David M. Sauntry
Inventor's Signature

June 19, 2000
DATE



David M. Sauntry
Inventor's Printed Name

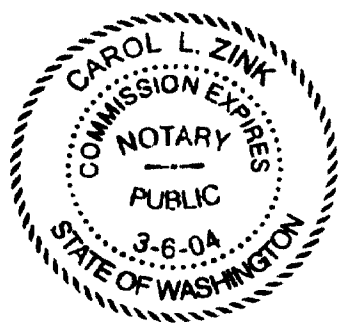
STATE OF Washington)
COUNTY OF King) SS

On this 19 day of June, 2000, before me personally came the above named David M. Sauntry who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Carol L. Zink
NOTARY PUBLIC
My Commission Expires: March 6, 2004

James A. Stulz
Inventor's Signature

19 June 2000
DATE



James A. Stulz
Inventor's Printed Name

STATE OF Washington)
COUNTY OF King) SS

On this 19 day of June, 2000, before me personally came the above named James A. Stulz who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Carol L. Zink
NOTARY PUBLIC
My Commission Expires: March 6, 2004