Form **PTO-1595**
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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)
Ramarathnam Venkatesan Kamal Jain *2-10-04* Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No	Name: Microsoft Corporation Internal Address: _____ _____ _____ Street Address: One Microsoft Way _____ City: Redmond State: WA Zip: 98052 Additional name(s) & address(es) attached? ☐ Yes ☑ No

3. Nature of conveyance:

☑ Assignment   ☐ Merger

☐ Security Agreement   ☐ Change of Name

☐ Other _____

Execution Date: 2/9/04

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: 2/9/04

A. Patent Application No.(s)

B. Patent No.(s)

10775697

Additional numbers attached? ☐ Yes ☑ No

5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: ☐ 1
Name: Himanshu S. Amin Internal Address: _____ _____ Amin & Turocy, LLP Street Address: 24th Floor, National City Center 1900 E. 9th Street City: Cleveland State: Ohio Zip: 44114	7. Total fee (37 CFR 3.41)............$ 40.00 ☐ Enclosed ☑ Authorized to be charged to deposit account 8. Deposit account number: 50-1063 (Attach duplicate copy of this page if paying by deposit account)

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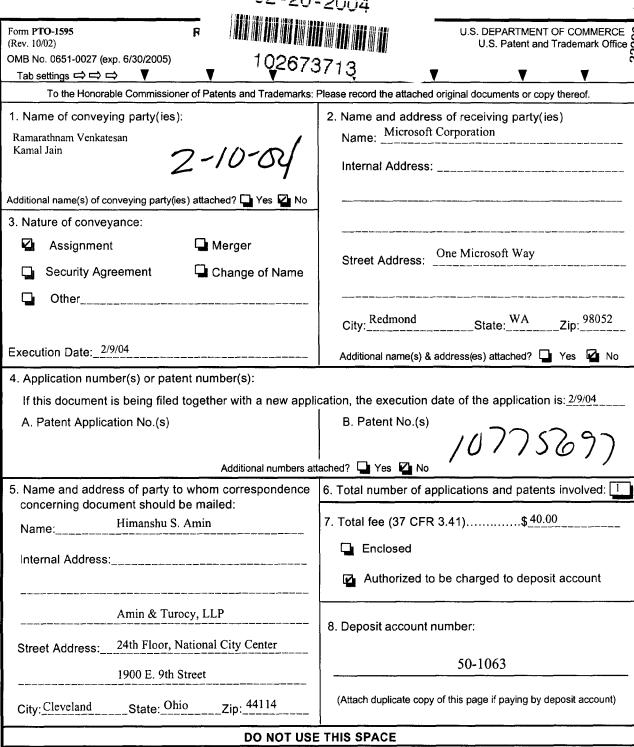
9. Statement and signature.

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.

Jeffrey R. Sadlowski, Reg. No. 47,914	*signature*	February 10, 2004
Name of Person Signing	Signature	Date

Total number of pages including cover sheet, attachments, and documents: 4

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Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

**PATENT
REEL: 014983 FRAME: 0552**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial Number:
Filing Date:
Inventorship: Ramarathnam Venkatesan, et al.
Applicant: Microsoft Corporation
Attorney's Docket No.:   MSFTP588US
MS Docket No.:   MS307073.01
Title: EFFICIENT CODE CONSTRUCTIONS VIA CRYPTOGRAPHIC
      ASSUMPTIONS

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Ramarathnam Venkatesan
17208 NE 22nd Court
Redmond, Washington 98052

Kamal Jain
15313 NE 13th Place, #802
Bellevue, Washington 98007

Assignee:

Microsoft Corporation
Corporation in the State of Washington
One Microsoft Way
Redmond, Washington 98052

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "EFFICIENT CODE CONSTRUCTIONS VIA CRYPTOGRAPHIC ASSUMPTIONS" as described and claimed in the specification forming part of an application for United States letters patent referenced above;

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

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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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, ASSIGNOR(S) hereby sell, assign and transfer unto 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 ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNOR(S) 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.

Serial Number:
Filing Date:
Inventorship: Ramarathnam Venkatesan, et al.
Applicant: Microsoft Corporation
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Title: EFFICIENT CODE CONSTRUCTIONS VIA CRYPTOGRAPHIC
                        ASSUMPTIONS

_2/9/04_
Date

_2/9/04_
Date

Venkatesan R
Ramarathnam Venkatesan

_K___
Kamal Jain