



1 **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2 Serial Number .....09/602,376  
3 Filing Date .....6/22/00  
4 Inventorship ..... Hakura et al.  
Applicant..... Microsoft Corporation  
Attorney's Docket No. .... MS1-530US  
5 Title: Parameterized Animation Compression Methods And Arrangements

6 **PATENT ASSIGNMENT**

7 **PARTIES TO THE ASSIGNMENT**

8 Assignor(s):

9 Ziyad S. Hakura  
896 Middle Avenue, Apt. 5  
Menlo Park, CA 94025

11 Jerome E. Lengyel  
1808 N. 42nd Street  
Seattle, WA 98103

13 John M. Snyder  
2522 186th Avenue NE  
Redmond, WA 98052

15 Assignee:

16 Microsoft Corporation  
17 Corporation in the State of Washington  
One Microsoft Way  
18 Redmond, WA 98052

19 **AGREEMENT**

20 WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention  
21 entitled "Parameterized Animation Compression Methods And Arrangements," as  
22 described and claimed in the specification forming part of an application for  
23 United States letters patent referenced above;

24 WHEREAS, Microsoft Corporation (hereinafter referred to as  
25 ASSIGNEE), a corporation of the State of Washington having a place of business

1 at One Microsoft Way, Redmond, WA 98052, is desirous of acquiring the entire  
2 right, title and interest in and to the invention and in and to any letters patent that  
3 may be granted therefor in the United States and in any and all foreign countries;

4 NOW, THEREFORE, in exchange for good and valuable consideration, the  
5 receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and  
6 transfer unto ASSIGNEE, the entire right, title and interest in and to said  
7 invention, said application and any and all letters patent which may be granted for  
8 said invention in the United States of America and its territorial possessions and in  
9 any and all foreign countries, and in any and all divisions, reissues and  
10 continuations thereof, including the right to file foreign applications directly in the  
11 name of ASSIGNEE and to claim priority rights deriving from said United States  
12 application to which said foreign applications are entitled by virtue of international  
13 convention, treaty or otherwise, said invention, application and all letters patent on  
14 said invention to be held and enjoyed by ASSIGNEE and its successors and  
15 assigns for their use and benefit and of their successors and assigns as fully and  
16 entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this  
17 assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize  
18 and request the Commissioner of Patents and Trademarks to issue all letters patent  
19 on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments  
20 and documents required for the making and prosecution of applications for United  
21 States and foreign letters patent on said invention, for litigation regarding said  
22 letters patent, or for the purpose of protecting title to said invention or letters  
23 patent therefor.

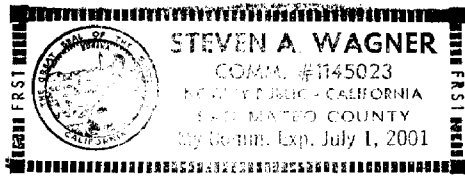
\* \* \* \* \*

1 8/16/00  
Date Ziyad S. Hakura

3 State of California )  
4 County of San Mateo ) ss.

5 I certify that I know or have satisfactory evidence that Ziyad S. Hakura is the person  
6 who appeared before me, and said person acknowledged that he or she signed this  
7 instrument and acknowledged it to be his or her free and voluntary act for the uses  
8 and purposes mentioned in the instrument.

Dated 8/16/00



Signature of Notary Public [Signature]

My appointment expires 7/1/01

\* \* \* \* \*

13 Date \_\_\_\_\_ Jerome E. Lengyel \_\_\_\_\_

14 State of Washington )  
15 County of King ) ss.

16 I certify that I know or have satisfactory evidence that Jerome E. Lengyel is the  
17 person who appeared before me, and said person acknowledged that he or she signed  
18 this instrument and acknowledged it to be his or her free and voluntary act for the  
19 uses and purposes mentioned in the instrument.

20 Dated \_\_\_\_\_

Signature of Notary Public \_\_\_\_\_

My appointment expires \_\_\_\_\_

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\_\_\_\_\_  
Date John M. Snyder

State of Washington )  
  ) ss.  
County of King )

I certify that I know or have satisfactory evidence that John M. Snyder is the person who appeared before me, and said person acknowledged that he or she signed this instrument and acknowledged it to be his or her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated \_\_\_\_\_

Signature of  
Notary Public \_\_\_\_\_

My appointment expires \_\_\_\_\_

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Menlo Park, CA 94025

11 Jerome E. Lengyel  
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Seattle, WA 98103

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17 Corporation in the State of Washington  
One Microsoft Way  
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7 invention, said application and any and all letters patent which may be granted for  
8 said invention in the United States of America and its territorial possessions and in  
9 any and all foreign countries, and in any and all divisions, reissues and  
10 continuations thereof, including the right to file foreign applications directly in the  
11 name of ASSIGNEE and to claim priority rights deriving from said United States  
12 application to which said foreign applications are entitled by virtue of international  
13 convention, treaty or otherwise, said invention, application and all letters patent on  
14 said invention to be held and enjoyed by ASSIGNEE and its successors and  
15 assigns for their use and benefit and of their successors and assigns as fully and  
16 entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this  
17 assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize  
18 and request the Commissioner of Patents and Trademarks to issue all letters patent  
19 on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments  
20 and documents required for the making and prosecution of applications for United  
21 States and foreign letters patent on said invention, for litigation regarding said  
22 letters patent, or for the purpose of protecting title to said invention or letters  
23 patent therefor.  
24  
25

Date Ziyad S. Hakura

State of California )  
  )  
County of                    ) ss.

I certify that I know or have satisfactory evidence that Ziyad S. Hakura is the person who appeared before me, and said person acknowledged that he or she signed this instrument and acknowledged it to be his or her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated \_\_\_\_\_

Signature of Notary Public \_\_\_\_\_

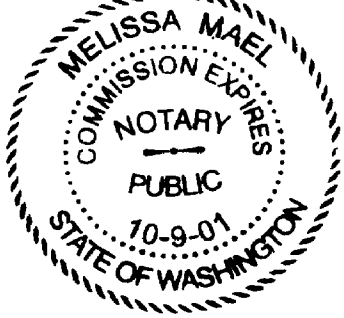
My appointment expires \_\_\_\_\_

2000. 8. 4  
Date

Jerome E. Lengyel  
Jerome E. Lengyel

State of Washington )  
  )  
County of King                    ) ss.

I certify that I know or have satisfactory evidence that Jerome E. Lengyel is the person who appeared before me, and said person acknowledged that he or she signed this instrument and acknowledged it to be his or her free and voluntary act for the uses and purposes mentioned in the instrument.



Dated Aug 4, 2000

Signature of Notary Public Melissa Maef

My appointment expires 10-9-01



1  
2 8/4/2000  
Date

John M. Snyder  
John M. Snyder

3 State of Washington )  
4 County of King ) ss.

5 I certify that I know or have satisfactory evidence that John M. Snyder is the person  
6 who appeared before me, and said person acknowledged that he or she signed this  
instrument and acknowledged it to be his or her free and voluntary act for the uses  
and purposes mentioned in the instrument.

7 Dated 8-4-2000



8 Signature of Melissa Mael  
9 Notary Public

10 My appointment expires 10-9-01