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cket No.: 14984.29

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: 1. Name of conveying party(ies):	Please record the attached origin 2. Name and address of receiving	
Beat Stamm Michael Duggan Gregory Hitchcock	Name: Microsoft Corporation	
Paul Linnerud	Address: One Microsoft Way	
Additional names(s) of conveying party(ies)		
3. Nature of conveyance:		
☐ Security Agreement ☐ Change of Name	City: Redmond	State/Prov.: WA
☐ Other	Country: USA	ZIP: 98052
Execution Date: June 6 4 August 7, 2002	Additional name(s) & address(es)	☐ Yes ☒ No
4. Application number(s) or patent numbers(s):		
If this document is being filed together with a new application,	the execution date of the applica	ition is:
Patent Application No. Filing date	B. Patent No.(s)	
10/164,533 June 6, 2002		
08/13/2002 SMINASS1 00000035 10164533		
02 FC:581 40.00 UD		
Additional numbers	☐ 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: Rick D. Nydegger	7. Total fee (37 CFR 3.41):	\$ 40.00
Registration No. 28,651	☒ Enclosed - Any excess of credited or debited to de	r insufficiency should be posit account
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Rick D. Nydegger	1 Mylegge	August 7,2002 Date
Name of Person Signing Total number of pages including	Signature	7 Date



FED STATES PATENT AND TRADEMARK OFFICE

Serial Number	
Filing Date	
Inventorship	
Applicant	Microsoft Corporation
Attorney's Docket No.	14984 29
Title: "DROPOUT CONTROL IN SUBPIXEL REND	

"DROPOUT CONTROL IN SUBPIXEL RENDERING"

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

Assignor(s):

Beat Stamm P.O. Box 2707 Redmond, Washington 98073

Michael Duggan 9903 N.E. 119th Court, Apt E Kirkland, Washington 98034

Gregory Hitchcock 17828 159th Avenue Woodinville, Washington 98072

Paul Linnerud 15520 N.E. 144th Place Woodinville, Washington 98072

Assignee:

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

AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled "DROPOUT CONTROL IN SUBPIXEL RENDERING," as described and claimed in the specification forming part of an application for United States letters patent referenced above;

> PATENT REEL: 013189 FRAME: 0585

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 therefor 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 ASSIGNOR(S) agree to execute all instruments and documents invention to ASSIGNEE. 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 therefor.

> of 6 PATENT REEL: 013189 FRAME: 0586

06 June 2002

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Michael Duggan

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** TOTAL PAGE.03 **

REEL: 013189 FRAME: 0588

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Gregory Hitchcock

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** TOTAL PAGE.14 **