

PATENT ASSIGNMENT

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Conveying Party Name: Robert M. Fries

Execution Date: 03/21/2001

Conveying Party Name: Michael E. Pietraszak

Execution Date: 03/21/2001

RECEIVING PARTY DATA

Receiving Party Name: Microsoft Corp.

Street Address: One Microsoft Way

Internal Address:

City: Redmond

State: WASHINGTON

Country:

Postal Code: 98052

The USPTO, Office of Public Records, will send correspondence via facsimile to **FAX NUMBER:** 2063742819

CORRESPONDENCE DATA:

Correspondence will be sent via US Mail when a fax number

has not been provided or the fax attempt is unsuccessful.

When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.

CUSTOMER NUMBER: 023441

To the best of my knowledge, the foregoing information is true and correct and any attached copy is a true copy of the original document.

NAME OF PERSON SIGNING: Michael Dryja

DATE SIGNED: 03/24/2001

Total Attachments: 2

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ASSIGNMENT

WHEREAS, we, Robert M. Fries and Michael E. Pietraszak, (hereinafter referred to as ASSIGNORS), are the joint inventors of an invention entitled Electronic program guide hardware card as described and claimed in the specification forming part of an application for United States letters patent as filed herewith;

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, 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 therefor.

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

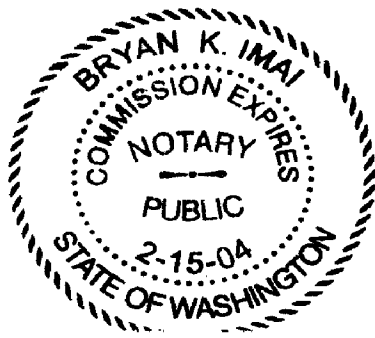

Inventor's Signature


3-21-01
DATE

Robert M. Fries
Inventor's Printed Name

STATE OF Washington)
COUNTY OF King) SS

On this 21st day of March, 2001, before me personally came the above named Robert M. Fries 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: 2-15-2004

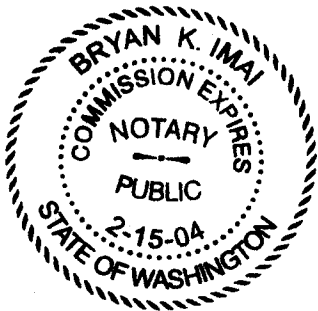
Michael E. Pietraszak
Inventor's Signature

3-21-01
DATE

Michael E. Pietraszak
Inventor's Printed Name

STATE OF Washington)
COUNTY OF King) SS

On this 21st day of March, 2001, before me personally came the above named Michael E. Pietraszak 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.



Bryan K. Imai
NOTARY PUBLIC
My Commission Expires: 2-15-2004