To the Assistant Commissioner of Patents: Please record the attached original documents or copy thereof.

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1. **Name of conveying party(ies):**

   Roy D. Cideciyan
   Jonathan D. Coker
   Evangelos S. Eleftheriou
   Richard L. Galbraith
   Todd C. Truax

2. **Name and address of receiving party(ies):**

   International Business
   Machines Corporation
   New Orchard Road
   Armonk, New York 10504

   12-8-00

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3. **Nature of conveyance:**

   __X__ Assignment

   Execution Date(s): __November 16, 2000; November 21, 2000; November 28, 2000__

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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 __.

   A. Patent Application No.(s)
      __09/613,443 filed on July 11, 2000__

   B. Patent No.(s)

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

6. **Total number of applications and patents involved:** __1__

   __Andrew J. Dillon, Esq.__
   Registration No.29,634
   FELSMAN, BRADLEY, VADEN, GUNTER &
       DILLON, LLP
   Suite 350, Lakewood on the Park
   7600B North Capital of Texas
       Highway
   Austin, Texas 78731
   Telephone (512) 343-6116

7. **Total fee (37 CFR 3.41)** $ __40.00__

   __X__   Authorized to be charged to
         IBM Corporation deposit account

   8. **Deposit account number:**
      __09-0466__

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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.

   Catherine A. Berglund   *Catherine A. Berglund*   December 5, 2000
   Name of Person Signing   For: FELSMAN, BRADLEY, VADEN,   Date
                                     GUNTER & DILLON, LLP

   Total number of pages including cover sheet: __5__

A S S I G N M E N T

Whereas, we,

(1) _Roy D. Cideciyan_   of_CH-8803 Rueschlikon_ ,
                          of _Switzerland_,

and
(2)_Jonathan D. Coker_   of_Rochester_ ,
County of_Olmsted_   and State of_Minnesota_ ,

and
(3) _Evangelos S. Eleftheriou_   of_CH-8038 Zurich_ ,
                          of_Switzerland_ ,

and
(4) _Richard L. Galbraith_   of_Rochester_ ,
County of_Olmsted_   and State of_Minnesota_ ,

and
(5)_Todd C. Truax_   of_Rochester_,
County of_Olmsted_   and State of_Minnesota_.

have invented certain improvements in

METHOD AND SYSTEM FOR ENCODING DATA FOR HIGH PERFORMANCE ERROR CONTROL

and executed, respectively, a United States patent application therefor on
(Dates Inventors Signed Declaration) (1) _____, 2000, and *(2)* _11/28_ , 2000, and *(3)* _____
____, 2000, and *(4)* _11/21_ , 2000, and *(5)* _11/16_ , 2000.
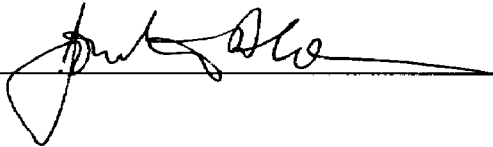
    Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

    Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at _____ on _____, 2000.

_____
                                        Roy D. Cideciyan

and (2) Signed at Rochester, MN___ on __28 - Nov._____, 2000.

_____
                                        Jonathan D. Coker
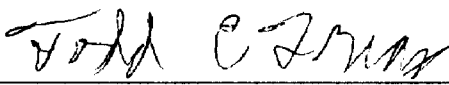

and (3) Signed at _____ on _____, 2000.

_____
                                        Evangelos S. Eleftheriou

and (4) Signed at Rochester, MN___ on __11-21-2000__, 2000.

_____
                                        Richard L. Galbraith

and (5) Signed at Rochester, MN___ on __11-16_____, 2000.

_____
                                        Todd C. Truax

A S S I G N M E N T

Whereas, we,

(1) _Roy D. Cideciyan_   of _CH-8803 Rueschlikon_ ,
of _Switzerland,_

and
(2) _Jonathan D. Coker_   of _Rochester_ ,
County of _Wake_   and State of _Minnesota_ ,

and
(3) _Evangelos S. Eleftheriou_   of _CH-8038 Zurich,_
of _Switzerland,_

and
(4) _Richard L. Galbraith_   of _Rochester_ ,
County of _Wake_   and State of _Minnesota_ ,

and
(5) _Todd C. Truax_   of _Rochester,_
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and executed, respectively, a United States patent application therefor on
(Dates Inventors Signed Declaration) (1) 16 Un *, 2000, and (2)* _____ *, 2000, and (3)* 16
Un *, 2000, and (4)* _____ *, 2000, and (5)* _____ *, 2000.*

      Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

      Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1)   Signed at _Rueschlikon_ on _16 November_ , 2000.

Roy D. Cideciyan

_____
                                    Roy D. Cideciyan

and (2)   Signed at _____ on _____ , 2000.

_____
                                    Jonathan D. Coker

and (3)   Signed at _Rueschlikon_ on _16 November_ , 2000.

Eleftheriou signature

_____
                                    Evangelos S. Eleftheriou

and (4)   Signed at _____ on _____ , 2000.

_____
                                    Richard L. Galbraith

and (5)   Signed at _____ on _____ , 2000.

_____
                                    Todd C. Truax

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