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PATENT ASSIGNMENT

SUBMISSION TYPE: NEW ASSIGNMENT

APPLICATION NUMBER 10/248644

NATURE OF CONVEYANCE: ASSIGNMENT OF ASSIGNOR'S INTEREST

CONVEYING PARTY DATA

Name: Allen, Brian L. Execution Date: 12/30/2002

Name: <u>Haar, Allen P</u> Execution Date: <u>02/04/2003</u>

RECEIVING PARTY DATA

Name: International Business Machines Corporation

Street Address: New Orchard Road

Internal Address:

City: Armonk

State: NEW YORK

Country:

Postal Code: 10504

The USPTO, Office of Public Records, will send correspondence via facsimile to **FAX NUMBER:** (802)769-8938

CORRESPONDENCE DATA:

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CUSTOMER NUMBER: 023389

NAME OF PERSON SIGNING: Richard A. Henkler

DATE SIGNED: 02/04/2003

Total Attachments: 1

PATENT REEL: 013412 FRAME: 0112

800005159

ASSIGNMENT

Whereas, We

Inventor and City (1) Brian L. Allen **County of Brevard**

City of West Melbourne and State of Florida

and and City (2) Allen P. Haar **County of Chittenden**

City of Essex Junction and State of Vermont

have invented certain improvements in

Title

METHOD AND SYSTEM FOR INDEXING A DECODER

Dates That Inventors Signed the

and have executed, respectively, a United States patent application therefor on

(1) December, 30th,

2002, and (2) Feb. 4th

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 sald 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.

(Brian First Name

Allen **Last Name**

signature) inventor

City

(2) Signed at ESSEX JUNCTION, VT

First Name

Middle Initial

Middle Initial

signature Haar

Last Name

Date

2/4/03

PATENT

REEL: 013412 FRAME: 0113

RECORDED: 02/04/2003