

RAISBECK, LARA, RODRÍGUEZ & RUEDA
MIEMBROS DE LA FIRMA
BAKER & MCKENZIE

CALLE 35 No. 7-25, Piso 4
TELÉFONO: (57-1) 332-2600
BOGOTÁ, D.C. COLOMBIA
WWW.BAKERINFO.COM
OFFICE.BOGOTA@BAKERNET.COM

Señores

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
DIVISION DE NUEVAS CREACIONES

E. _____ S. _____

RECEIVED Y
Radicación: 01008249
Fecha: 2001-05-25 17:32:01
Trámite: 002 EXENTES D
Secretaría: 2001 DIVISION DE NUEVAS CREACIONES

Re: Expediente No. 01.008.249.
Solicitud de Patente titulada: "SISTEMA Y METODO
PARA DISPENSAR INFORMACION DIGITAL
DESDE UN CAJERO AUTOMATICO".
Solicitante: DIEBOLD INCORPORATED

RESPUESTA AL AUTO NOTIFICADO POR ESTADO No. 033
DE FECHA 25 DE ABRIL DE 2001, OFICIO No. 1294

CARLOS R. OLARTE, mayor de edad y vecino de Bogotá, identificado tal como aparece al pie de mi firma en mi carácter de apoderado de la sociedad en referencia, me permito manifestar lo siguiente ante el auto emanado por ese Despacho, dentro del término legal:

1. En atención a la primera observación del Examinador, me permito presentar junto con este escrito el documento de cesión debidamente legalizado y traducido, en el cual consta la cesión del derecho a la patente otorgado por los inventores a DIEBOLD INCORPORATED.

- 2 -

2. En respuesta a la segunda observación del Examinador, presento un petitorio modificado en el cual indico claramente el nombre y el domicilio de cada uno de los inventores.

3. En atención a la última observación del Examinador, me permito presentar un recibo por concepto de reivindicación de prioridad, dado que junto con la solicitud solo se allegó un recibo por este concepto y para esta solicitud se está reivindicando prioridad sobre dos solicitudes.

4. Adicionalmente, presento la copia certificada de los documentos de prioridad No. 60/180,490 y No. 60/250,269 sobre los cuales se reclama prioridad en la presente solicitud de patente. Así mismo, adjunto la traducción al español de los capítulos reivindicatorios de dichos documentos.

Atentamente,



CARLOS R. OLARTE
C.C. No. 79.782.747 de Bogotá
T.P. 74.295

Anexos: Petitorio Modificado
Cesión
Documentos de Prioridad
Traducción de los Capítulos Reivindicatorios.
Recibo.

PETITORIO

Espacio reservado para el adhesivo de radicación

FORMULARIO UNICO DE SOLICITUD DE PATENTE 2000-3

①

SOLICITUD DE :

☒ Patente de Invención.

☐ Patente de Modelo de Utilidad

②

SOLICITANTE
(71)

Nombre: DIEBOLD, INCORPORATED

Dirección: 5995 Mayfair Road, North Canton,
Estado de Ohio 44720, Estados Unidos de América.

Teléfono: 570-0010 Fax: 285-6908

E-Mail: _____

Domicilio: Estado de Ohio, Estados Unidos de América

IDENTIFICACION

C.C. ☐ NIT ☐

C.E. ☐ Otro ☐

Número _____

③

REPRESENTANTE
O APODERADO
(74)

Nombre: CARLOS R. OLARTE

Dirección: CALLE 35 No. 7-25 Piso 4

Teléfono: 570-0010 Fax: 285-6908

E-Mail: patents.bogota@bakernet.com

IDENTIFICACION

C.C. ☒ NIT ☐

C.E. ☐ Otro ☐

Número 79.782.747 TP 74.295

④

INVENTOR (ES)
(72)

Nombre: (1)DALE BLACKSON, (2)JAMES R. CHURCH,
(3)MARK SMITH, (4)NATARAJAN RAMACHANDRAN

Dirección: (1)5056 Paddington Down Street, Canton, Ohio
44718, (2) 741 Governor's Circle, Kent Ohio
44240, (3) 1910 Hunting Valley N.W., North Canton, Ohio 44720,
(4) 2424 Lyndon Drive, Uniontown, Ohio 44685

Teléfono: _____ Fax: _____

E-Mail: _____

Domicilio: Estados Unidos de América.

IDENTIFICACION

C.C. ☐ NIT ☐

C.E. ☐ Otro ☐

Número _____

⑤

Título (54)

SISTEMA Y METODO PARA DISPENSAR INFORMACION DIGITAL DESDE UN CAJERO
AUTOMATICO.

⑥

Clasificación Internacional (51)

G07F 19/00

⑦

Prioridad

SI ☒ NO ☐

(33) País de Origen

US

US

(32) Fecha

Febrero 5, 2000

November 30, 2000

(31) Número de Solicitud

60/180,490

60/250,269

⑧

Para publicar a partir de la fecha de la presente solicitud a los:

6 meses ☐

12 meses ☐

18 meses ☐

Otro ☐

⑨

Comprobante de pago No.

Fecha:

Instrucciones para el diligenciamiento del presente formulario, ver reverso de esta página.

At
90

TRADUCCION OFICIAL No. 091/01 de un documento escrito en inglés, el cual para su identificación se sella con el sello del Traductor. Esta es una Traducción Oficial efectuada el día 6 de marzo de 2001 por la Sra. María Teresa Lara R., c.c. 41.568.055 de Bogotá, Traductora Oficial según Resolución No. 01016 del 2 de octubre de 1998, expedida por el Ministerio de Justicia.

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= = = = =

Cesión del señor James R. Church a la sociedad DIEBOLD, INCORPORATED. Certificación notarial suscrita por Michael H. Cone, Notario Público del Estado de Ohio, y legalizaciones subsiguientes.

CESIÓN

James R. Church por medio de la presente cedo a **Diebold, Incorporated**, una corporación organizada bajo las leyes de **Ohio, EE.UU.**, domiciliada en **5995 Mayfair Road, North Canton, Ohio 44720, EE.UU.** (de ahora en adelante el "CESIONARIO"), todos mis derechos, título e Interés sobre mi Invención tal como se describe en:

US 60/180,490 filed February 5, 2000
US 60/250,269 filed November 30, 2000
System and Method for Dispensing Digital Information
from an Automated Transaction Machine

[US 60/180,490 presentada el 5 de febrero de 2000
US 60/250,269 presentada el 30 de noviembre de 2000
Sistema y Método para Entregar Información Digital
de una Máquina de Transacciones Automatizadas]

en lo que concierne a la República de Colombia.

Kent, Ohio, E.U.A.
27 de enero de 2001

(Fdo.) James R. Church

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MARIA TERESA LARA R.
TRADUCTORA OFICIAL
RESOLUCION No. 01016
DE MINISTERIO DE JUSTICIA

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Condado de Portage)
)
Estado de Ohio) ss

h

Suscrito y jurado ante mí a los 27 días del mes de enero de 2001.

(Fdo.) Michael H. Cone
Notario Público

(Sello notarial
en relieve)

[Sello] MICHAEL H. CONE
 NOTARIO PUBLICO, ESTADO DE OHIO
 MI COMISIÓN EXPIRA EL 2 DE ENERO DE 2006

MANA TERESA LARA R.
TRADUCTORA OFICIAL
RESOLUCION No. 0101
DE AVALUATICA

ESTADO DE OHIO
CONDADO DE PORTAGE, SS

La suscrita, Secretaria del Tribunal de Litigios Ordinarios del Condado de Portage, un
tribunal de registro, certifica lo siguiente:

MICHAEL H. CONE ha sido comisionado por el Gobernador del Estado de Ohio
para servir como NOTARIO PÚBLICO en el Estado de Ohio por un término de
cinco (5) años a partir del 2 de enero de 2001.

Dicho NOTARIO, en virtud de haber sido comisionado por el Gobernador, está
autorizado, en todo el estado de Ohio, para tomar juramentos requeridos o
autorizados por ley, tomar y certificar declaraciones, tomar y certificar
reconocimientos de instrumentos, hipotecas, gravámenes, poderes y otros
instrumentos escritos y para recibir, otorgar y registrar protestas notariales. Al
tomar declaraciones, tendrá las facultades revestidas por ley en los jueces de
los tribunales de condado para obligar a la comparecencia de testigos y

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castigarlos por negarse a testificar. Los alguaciles y agentes de policía están obligados a notificar y devolver todas las notificaciones expedidas por notarios públicos al tomar declaraciones.

7

(Fdo.) Delores E. Reed
Secretaria del Tribunal de Litiglos Ordinarios

APOSTILLA

(Convención de La Haya del 5 de octubre de 1961)

- 1. País: Estados Unidos de América
Este documento público
- 2. ha sido firmado por DELORES E. REED
- 3. actuando en calidad de Secretario del Tribunal de Litiglos Ordinarios
- 4. lleva el sello/estampilla de Tribunal de Litiglos Ordinarios, Condado de Portage

CERTIFICADO

- 5. en Columbus, Ohio
- 6. el día 22 de febrero de 2001
- 7. por el Secretario de Estado de Ohio
- 8. No. 54038
- 9. Sello/Estampilla
- 10. Firma

(Sello del
Secretario de Estado
de Ohio)

(Fdo.) J. Kenneth Blackwell
J. Kenneth Blackwell
Secretario de Estado de Ohio

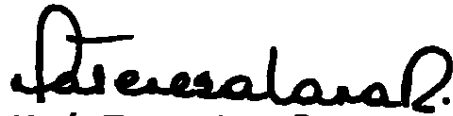
MARIA TERESA LOBA R.
TRADUCTORA OFICIAL
RESOLUCION No. 6104
DE MINISTRIA

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=====

La anterior es traducción fiel y completa del documento en referencia, de la cual se deja copia en este archivo para su confrontación.

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María Teresa Lara R.
c.c. 41.568.055 de Bogotá
Traductora Oficial según
Resolución No. 01016 del
2 de octubre de 1998, del
Ministerio de Justicia



MARIA TERESA LARA R.
TRADUCTORA OFICIAL
RESOLUCION No. 01016
DE MINISTERIO DE JUSTICIA

ASSIGNMENT

James R. Church, by means of this document assign to

Diebold, Incorporated,

A corporation organized under the laws of

Ohio, U.S.,

**5995 Mayfair Road
North Canton, Ohio 44720 US**

**(hereinafter referred to as the
"ASSIGNEE"), all my (our) rights, title
and interest in and to my (our) invention for
a new and useful improvement entitled and
as fully set forth and described in:**

**US 60/180,490 filed February 5, 2000
US 60/250,269 filed November 30, 2000
System and Method for Dispensing
Digital Information from an Automated
Transaction Machine**

**So far as the Republic of Colombia is
concerned.**

**Kent, Ohio, U.S.A.
January 27, 2001**

Place / Date

**
James R. Church**

CESION

James R. Church, por medio de la presente cedemos a

Diebold, Incorporated,

**una corporación organizada bajo las leyes
de**

**Ohio, U.S.,
domiciliada en**

**5995 Mayfair Road
North Canton, Ohio 44720 US**

**(de ahora en adelante el
"CESIONARIO"), todos mis (nuestros)
derechos, título e interés sobre me
(nuestra) invención tal como describe en:**

**US 60/180,490 filed February 5, 2000
US 60/250,269 filed November 30, 2000
System and Method for Dispensing
Digital Information from an
Automated Transaction Machine**

**en lo que concierne a la República de
Colombia.**

Lugar / Fecha

APOSTILLE

(Convention de la Haye du 5 octobre 1961)

1. Country: United States of America

This public document

2. has been signed by DELORES E. REED

3. acting in the capacity of Clerk of Court of Common Pleas

4. bears the seal/stamp of Court of Common Pleas, Portage County

CERTIFIED

5. at Columbus, Ohio

6. February 22, 2001

7. by the Secretary of State of Ohio.

8. N^o 54038

9. Seal/Stamp:

10. Signature:



J. Kenneth Blackwell

J. Kenneth Blackwell
Secretary of State of Ohio

I, Clerk of the Portage County Common Pleas Court, a court of record, do
certify as follows:

MICHAEL H CONE has been commissioned by the
Governor of the State of Ohio to serve as a NOTARY PUBLIC in
the State of Ohio for a term of five (5) years commencing on
JANUARY 2, 2001.

Said NOTARY, by virtue of being commissioned by the Governor,
is authorized, throughout the state of Ohio, to administer oaths
required or authorized by law, take and certify depositions, take
and certify acknowledgments of deeds, mortgages, liens, powers of
attorney, and other instruments of writing, and receive, make and
record notarial protests. In taking depositions, he shall have
the power that is by law vested in judges of county courts to
compel the attendance of witnesses and punish them for refusing to
testify. Sheriffs and constables are required to serve and return
all process issued by notaries public in the taking of depositions.

Evidence of such commission is filed in the office of the Clerk of the
Portage County Common Pleas Court as required by the law of the State of
Ohio.

(Seal)

Delores E. Reed

Clerk of the Common Pleas Court

48
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County of Portage)
State of Ohio)

ss

Subscribed and sworn to before me this 27 day of January, 2001.

Michael H. Cone

Notary Public

MICHAEL H. CONE
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES JAN. 2, 2006



#

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TRADUCCION OFICIAL No. 090/01 de un documento escrito en inglés, el cual para su identificación se sella con el sello del Traductor. Esta es una Traducción Oficial efectuada el día 6 de marzo de 2001 por la Sra. María Teresa Lara R., c.c. 41.568.055 de Bogotá, Traductora Oficial según Resolución No. 01016 del 2 de octubre de 1998, expedida por el Ministerio de Justicia.

=====

Cesión de los señores Dale Blackson, Mark Smith y Natarajan Ramachandran a la sociedad DIEBOLD, INCORPORATED. Certificación notarial suscrita por Sue D. Lewis, Notario Público del Estado de Ohio, y legalizaciones subsiguientes.

CESIÓN

Dale Blackson, Mark Smith y Natarajan Ramachandran por medio de la presente cedemos a Diebold, Incorporated, una corporación organizada bajo las leyes de Ohio, EE.UU., domiciliada en 5995 Mayfair Road, North Canton, Ohio 44720, EE.UU. (de ahora en adelante el "CESIONARIO"), todos nuestros derechos, título e interés sobre nuestra invención tal como se describe en:

**US 60/180,490 filed February 5, 2000
US 60/250,269 filed November 30, 2000
System and Method for Dispensing Digital Information
from an Automated Transaction Machine**

[US 60/180,490 presentada el 5 de febrero de 2000
US 60/250,269 presentada el 30 de noviembre de 2000
Sistema y Método para Entregar Información Digital
de una Máquina de Transacciones Automatizadas]

en lo que concierne a la República de Colombia.

North Canton, Ohio, E.U.A.
10 de enero de 2001

MARIA TERESA LARA R.
TRADUCTORA OFICIAL
RESOLUCION No. 01016
DE JUSTICIA

(Fdo.) Dale Blackson

(Fdo.) Mark Smith

(Fdo.) Natarajan Ramachandran

Condado de Stark)
) ss
Estado de Ohio)

Suscrito y jurado ante mí a los 18 días del mes de enero de 2001.

(Fdo.) Sue D. Lewis
Notario Público

**(Sello notarial
en relieve)**

[Sello]

SUE D. LEWIS
NOTARIO PUBLICO - Estado de Ohio
MI comisi3n expira el 3 de febrero de 2003

EL ESTADO DE OHIO)
)
Condado de Stark, s.s.)

El suscrito, Phil G. Giavasis, Secretario del Tribunal de Litigios Ordinarios, Condado de Stark, Ohio, el cual es un Tribunal de Registro, provisto de sello, CERTIFICO POR EL PRESENTE que Sue D. Lewis, cuyo nombre suscribe la declaración o el certificado de la prueba de reconocimiento del instrumento adjunto, y aparece allí escrito, era en el momento de tomar dicha declaración, o prueba y reconocimiento, una Notario Público en y para el antedicho Condado, debidamente comisionada y juramentada, y estaba autorizada por las leyes de dicho Estado para recibir declaraciones y para tomar juramentos que deban utilizarse en cualquier

101

tribunal del antedicho Estado y para fines generales; y también para tomar reconocimientos y pruebas de escrituras, de traspasos de tierras, tenencias o heredades en dicho Estado de Ohio. Y además, que conozco bien la letra de dicha Notario Público y considero en verdad que la firma en tales declaraciones o certificado de prueba o reconocimiento es auténtica.

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EN TESTIMONIO DE LO CUAL, he firmado el presente y estampado el sello de los antedichos Tribunal y Condado, a los 24 días del mes de enero de 2001.

(Fdo.) Phil G. Giavasis, Secretario

(Firmado ilegible) Secretario Delegado

No. 3689

MARIA TERESA LARA P.
TRADUCTORA OFICIAL
REVOLUCION NA. OLEIS
DE MEXICO

APOSTILLA

(Convención de La Haya del 5 de octubre de 1961)

1. País: Estados Unidos de América
Este documento público
2. ha sido firmado por PHIL G. GIAVASIS
3. actuando en calidad de Secretario del Tribunal de Litigios Ordinarios
4. lleva el sello/estampilla de Tribunal de Litigios Ordinarios, Condado de Stark

CERTIFICADO

5. en Columbus, Ohio
6. el día 22 de febrero de 2001
7. por el Secretario de Estado de Ohio

102
101

8. No. 54036

9. Sello/Estampilla

10. Firma

(Sello del
Secretario de Estado
de Ohio)

(Fdo.) J. Kenneth Blackwell

J. Kenneth Blackwell
Secretario de Estado de Ohio

7

=====

La anterior es traducción fiel y completa del documento en referencia, de la cual se deja copia en este archivo para su confrontación.

MARIA TERESA LARA R.
TRADUCTORA OFICIAL
RESOLUCION No. 01016
DE MINISTERIO DE JUSTICIA


María Teresa Lara R.
c.c. 41.568.055 de Bogotá
Traductora Oficial según
Resolución No. 01016 del
2 de octubre de 1998, del
Ministerio de Justicia

ASSIGNMENT

Dale Blackson, Mark Smith, Natarajan Ramachandran, by means of this document assign to

Diebold, Incorporated,

A corporation organized under the laws of

Ohio, U.S.,

**5995 Mayfair Road
North Canton, Ohio 44720 US**

(hereinafter referred to as the "ASSIGNEE"), all my (our) rights, title and interest in and to my (our) invention for a new and useful improvement entitled and as fully set forth and described in:

**US 60/180,490 filed February 5, 2000
US 60/250,269 filed November 30, 2000
System and Method for Dispensing
Digital Information from an Automated
Transaction Machine**

So far as the Republic of Colombia is concerned.

**North Canton, Ohio, U.S.A.
January 18, 2001**

Place / Date

Dale Blackson
Dale Blackson

Mark D. Smith
Mark Smith

Natarajan Ramachandran
Natarajan Ramachandran

CESION

Dale Blackson, Mark Smith, Natarajan Ramachandran, por medio de la presente cedemos a

Diebold, Incorporated,

una corporación organizada bajo las leyes de

**Ohio, U.S.,
domiciliada en**

**5995 Mayfair Road
North Canton, Ohio 44720 US**

(de ahora en adelante el "CESIONARIO"), todos mis (nuestros) derechos, título e interés sobre me (nuestra) invención tal como describe en:

**US 60/180,490 filed February 5, 2000
US 60/250,269 filed November 30, 2000
System and Method for Dispensing
Digital Information from an
Automated Transaction Machine**

en lo que concierne a la República de Colombia.

Lugar / Fecha

APOSTILLE

(Convention de la Haye du 5 octobre 1961)

1. Country: United States of America

This public document

2. has been signed by PHIL G. GIAVASIS

3. acting in the capacity of Clerk of Court of Common Pleas

4. bears the seal/stamp of Court of Common Pleas, Stark County

CERTIFIED

5. at Columbus, Ohio

6. February 22, 2001

7. by the Secretary of State of Ohio.

8. N^o 54036

9. Seal/Stamp:

10. Signature:



J. Kenneth Blackwell

J. Kenneth Blackwell
Secretary of State of Ohio

County of Stark)

State of Ohio)

ss.

Subscribed and sworn to before me this 18th day of January, 2001.

Sue D. Lewis
Notary Public

SUE D. LEWIS
NOTARY PUBLIC - State of Ohio
My Commission Expires February 3, 2003

106

Esta es una traducción parcial al idioma español de un documento escrito originalmente en el idioma inglés.

2

LOS ESTADOS UNIDOS DE AMERICA

A TODOS AQUELLOS A QUIEN ESTE DOCUMENTO SE LES PRESENTE:

DEPARTAMENTO DE COMERCIO DE LOS ESTADOS UNIDOS

Oficina de Patentes y Marcas de los Estados Unidos

Marzo 30, 2001

ESTO ES PARA CERTIFICAR QUE LO ANEXADO A LA PRESENTE ES UNA FIEL COPIA DE LOS EXPEDIENTES DE LA OFICINA DE PATENTES Y MARCAS DE LOS ESTADOS UNIDOS DE AQUELLOS DOCUMENTOS DE LA SOLICITUD DE PATENTE IDENTIFICADA A CONTINUACION QUE REUNIERON LOS REQUERIMIENTOS PARA QUE SE LE CONCEDA UNA FECHA DE PRESENTACION BAJO 35 USC (Código de los Estados Unidos) 111.

NO. DE SOLICITUD: 60/250,269

FECHA DE PRESENTACION: 30 de Noviembre de 2000

**SELLO DE LA
OFICINA DE MARCAS Y PATENTES
DE LOS ESTADOS UNIDOS DE**

**Por la Autoridad del
COMISIONADO DE PATENTES Y MARCAS**

[firma ilegible]

**N. WOODSON
Oficial de Certificación**

REIVINDICACIONES

1. Un aparato de cajero automático que comprende:

Al menos un procesador;

Al menos un depósito de datos en conexión operativa con el procesador, en donde el procesador es operativo para hacer que una pluralidad de archivos de información digital sean recuperados desde al menos una fuente de información digital localizada remotamente de la máquina y guardada en el depósito de datos;

Al menos un dispositivo de entrada en conexión operativa con el procesador,

Un dispositivo dispensador de efectivo en conexión operativa con el procesador, en donde el procesador es operativo para hacer que el dispensador de efectivo dispense divisas en respuesta a al menos una primera entrada a través de al menos un dispositivo de entrada; y

Al menos un dispositivo de salida en conexión operativa con el procesador, en donde el procesador es operativo para

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108

producir la dispensación de al menos uno de los archivos de información digital a través de al menos un dispositivo de salida en respuesta a al menos una segunda entrada a través de al menos un dispositivo de entrada que corresponde a al menos un archivo de información digital.

22

2. El aparato según la reivindicación 1 en donde al menos un dispositivo de entrada que comprende un dispositivo lector de tarjetas en conexión operativa con el procesador, en donde el dispositivo lector de tarjetas es operativo para leer indicios de cuenta desde una tarjeta, y en donde el procesador es operativo para hacer que las comisiones sean cargadas a la cuenta que corresponde a la dispensación de divisas y a la dispensación de al menos un archivo de información digital.

3. El aparato según la reivindicación 1, en donde al menos un archivo de información digital incluye un archivo de grabación de sonido digital.

4. El aparato según la reivindicación 3, en donde al menos un archivo de información digital incluye un archivo MP3.

5. El aparato según la reivindicación 3, en donde al menos un dispositivo de salida incluye un sistema de sonido, y en donde el procesador es operativo para producir la salida de sonido a través del sistema de sonido en respuesta a al menos un archivo de información digital.

6. El aparato según la reivindicación 1, en donde el procesador es operativo para hacer que una tarifa de licenciamiento asociado con al menos un archivo de información digital, sea transferido a una entidad autorizadora.

7. El aparato comprendiendo:

Un cajero automático que incluye:

Al menos un dispositivo de entrada;

Un dispensador de efectivo, en donde el dispensador de efectivo libera efectivo desde la máquina en respuesta a entradas con al menos un dispositivo de entrada;

Al menos un aparato de entrada, en donde al menos un aparato en entrada es operado para hacer de la liberación

110

una respuesta digital satisfecha a la entrada de al menos un aparato de entrada.

8. El aparato según la reivindicación 7 en donde al menos un dispositivo de salida es operativamente liberablemente conectable a un dispositivo de computación portátil.

7

9. El aparato según la reivindicación 8 en donde al menos un dispositivo de salida comprende un puerto de comunicaciones operativamente liberablemente conectable a un dispositivo de computación portátil adyacente a la máquina.

10. El aparato según la reivindicación 9 en donde el contenido digital comprende al menos un archivo de sonido.

11. El aparato según la reivindicación 10 en donde al menos un archivo de sonido comprende un archivo de música.

12. El aparato según la reivindicación 9 en donde el contenido digital comprende al menos un archivo audiovisual.

111

13. El aparato según la reivindicación 7 en donde al menos un dispositivo de entrada es adaptado para recibir al menos una entrada que corresponde a una cuenta, y en donde la máquina incluye además:

Al menos un procesador, en donde el procesador está en conexión operativa con al menos un dispositivo de entrada, el dispensador de efectivo y al menos un dispositivo de salida, y en donde el procesador es operativo para hacer que la cuenta sea cargada por contenido digital y efectivo liberado.

14. El aparato según la reivindicación 13 en donde al menos un dispositivo de entrada incluye un lector de tarjetas, y en donde la entrada correspondiente a una cuenta es producida en respuesta a al menos una tarjeta leída por el lector de tarjetas.

15. El aparato según la reivindicación 13 en donde el procesador es operativo para hacer que indicios de contenido correspondientes a una pluralidad de porciones de contenido digital sean emitidos a través de al menos un dispositivo de salida, y en donde el procesador es operativo para hacer que una porción seleccionada de

112

contenido digital sea liberada en respuesta a por lo menos una entrada de selección correspondiente a la porción seleccionada, a través de al menos un dispositivo de entrada.

26

16. El aparato según la reivindicación 15 en donde la máquina incluye un dispositivo de pantalla y los indicios de contenido son emitidos a través del dispositivo pantalla.

17. El aparato según la reivindicación 16 en donde los indicios de contenido incluyen una imagen gráfica correspondiente a al menos una de las porciones del contenido digital.

18. El aparato según la reivindicación 13 en donde el aparato comprende al menos un depósito de datos de contenido, en donde el contenido digital es liberado desde el depósito de datos de contenido.

19. El aparato según la reivindicación 18 en donde el depósito de datos de contenido comprende un depósito de datos de contenido local localizado en la máquina.

20. El aparato según la reivindicación 18 y que además comprende:

Al menos una red en conexión operativa con la máquina; y

Al menos un computador remoto en conexión operativa con la red, en donde el depósito de datos de contenido está en al menos un computador remoto.

21. El aparato según la reivindicación 20 y que además comprende:

al menos un sistema de transacción financiera en conexión operativa con al menos una red, en donde el procesador es operativo para hacer que la cuenta sea gravada a través de comunicación con al menos un sistema de transacción financiera a través de al menos una red.

22. El aparato según la reivindicación 18 en donde al menos un dispositivo de entrada sobre la máquina es operativo para recibir una dirección de liberación de red, y que además comprende:

Al menos una red en conexión operativa con la máquina, en

114

donde el procesador es operativo para hacer que el contenido digital sea liberado a través del menos una red hacia la dirección de liberación de red, por lo cual un computador remoto que corresponde a la dirección de deliberación de red puede recibir el contenido digital.

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23. El aparato según la reivindicación 19 y que además comprende:

Al menos una red en conexión operativa con la máquina; y

Al menos un computador remoto en conexión operativa con la red, en donde al menos un computador remoto incluye al menos un depósito de datos remoto.

24. El aparato según la reivindicación 23, en donde la máquina es operativa para liberar selectivamente contenido digital desde uno u otro el depósito de contenido local o el depósito de datos de contenido remoto en respuesta a al menos una entrada a al menos un dispositivo de entrada.

25. El aparato según la reivindicación 23 en donde el procesador es operativo para hacer que el contenido digital en el depósito de datos de contenido remoto sea almacenado

en el depósito de datos de contenido local.

26. El aparato según la reivindicación 25 en donde el procesador es operativo sobre una base periódica para hacer que el contenido digital seleccionado en el depósito de datos de contenido remoto sea almacenado en el depósito de datos local.

27. El aparato según la reivindicación 26 en donde el contenido digital seleccionado comprende al menos un archivo de sonido que corresponde a al menos una canción actualmente popular.

28. El aparato según la reivindicación 26 en donde el contenido digital seleccionado comprende al menos un archivo de sonido que corresponde a por lo menos un libro actualmente popular.

29. El aparato según la reivindicación 26 en donde el contenido digital seleccionado comprende al menos un archivo audiovisual que corresponde a por lo menos una película actualmente popular.

30. El aparato según la reivindicación 27 en donde el

116

contenido digital seleccionado incluye al menos una imagen gráfica que corresponde a por lo menos una canción.

31. El aparato según la reivindicación 13 y que además comprende:

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Al menos una red en conexión operativa con la máquina,

Al menos un sistema de transacción financiera en conexión operativa con la red, en donde el procesador es operativo para hacer que la cuenta sea cargada en respuesta a comunicación a través de al menos una red con al menos un sistema de transacción financiera.

32. El aparato según la reivindicación 31 en donde al menos un sistema de transacción financiera incluye una cuenta fuente asociada con una fuente de contenido digital, y en donde la cuenta fuente es acreditada en respuesta a la liberación del contenido digital.

33. El aparato según la reivindicación 31 en donde al menos un sistema de transacción financiera incluye una cuenta de licencia asociada con una entidad autorizadora para el contenido digital, y en donde la cuenta de licencia

es acreditada en respuesta a la liberación del contenido digital.

34. El aparato según la reivindicación 31 en donde la cuenta está asociada con un usuario de la máquina, y en donde al menos un sistema de transacción financiera incluye la cuenta, y en donde la cuenta es debitada en respuesta a cualquiera liberación de efectivo o liberación de contenido digital.

35. El aparato según la reivindicación 31 en donde al menos un sistema de transacción financiera mantiene una cuenta de prepago de contenido para liberación de contenido digital, y en donde el procesador es operativo en respuesta a al menos una entrada a al menos un dispositivo de entrada para hacer que los fondos sean transferidos desde la cuenta hacia la cuenta de prepago de contenido, y en donde el procesador es operativo para hacer que la cuenta de prepago de contenido sea debitada en respuesta a la liberación del contenido digital.

36. El aparato según la reivindicación 31 en donde el dispositivo de salida incluye un dispositivo de reproducción operativo para reproducir el contenido digital

sobre un medio de almacenamiento portátil.

37. El aparato según la reivindicación 36 en donde el dispositivo de reproducción es operativo para hacer que el contenido digital sea reproducido en un dispositivo de computación portátil liberablemente operablemente conectable con la máquina.

38. El aparato según la reivindicación 37 en donde el contenido digital es reproducido en el dispositivo de computación portátil tal que éste puede ser solamente reproducido en el dispositivo de computación portátil.

39. El aparato según la reivindicación 37 en donde el contenido digital es reproducido en el dispositivo de computación portátil tal que éste no puede ser adicionalmente transferido en forma digital desde el dispositivo de computación portátil.

40. El aparato según la reivindicación 37 en donde el contenido digital es reproducido en el dispositivo de computación portátil tal que éste solamente puede ser reproducido un número limitado de veces.

41. El aparato según la reivindicación 37 en donde el contenido digital es reproducido en el dispositivo de computación portátil tal que éste puede ser solamente reproducido durante un período de tiempo limitado.

42. El aparato según la reivindicación 36 en donde la máquina incluye un suministro de medios portátiles, y el dispositivo de reproducción es operativo para reproducir el contenido digital sobre los medios de almacenamiento portátiles desde el suministro.

43. El aparato según la reivindicación 8 en donde el contenido digital es reproducido en el dispositivo de computación portátil tal que la reproducción del contenido digital es restringida.

44. El aparato según la reivindicación 7 en donde la máquina además comprende un suministro de medios portátiles, y en donde el contenido digital es liberado mediante reproducción sobre los medios de almacenamiento portátiles desde el suministro.

45. El aparato según la reivindicación 31 en donde al menos un dispositivo de salida incluye un sistema de

sonido, y en donde el contenido digital es liberado a través de salidas de audio a través del sistema de sonido.

46. El aparato según la reivindicación 7 en donde al menos un dispositivo de salida incluye un sistema de sonido, y en donde el contenido digital es liberado a través de salidas de audio a través del sistema sonido.

47. El aparato según la reivindicación 31 en donde al menos un dispositivo de salida incluye un dispositivo de salida audiovisual, y en donde el contenido digital es liberado como salidas audiovisuales a través del dispositivo de salida audiovisual.

48. El aparato según la reivindicación 7 en donde al menos un dispositivo de salida incluye un dispositivo de salida audiovisual, y en donde el contenido digital es liberado como salidas audiovisuales a través del dispositivo de salida audiovisual.

49. El aparato según la reivindicación 46 en donde la máquina está localizada en un establecimiento, y en donde la cuenta gravada por el contenido digital liberado es una cuenta de un operador del establecimiento.

50. El aparato según la reivindicación 48 en donde la máquina está localizada en un establecimiento, y en donde la cuenta gravada por liberar el contenido digital es una cuenta de un operador del establecimiento:

51. El aparato según la reivindicación 7 en donde el cajero comprende además:

un aceptor de divisas, en donde la máquina es además operativa para liberar contenido digital en respuesta a depósito de efectivo en el aceptor de divisas.

52. El aparato según la reivindicación 47 en donde el cajero automático comprende además:

Un aceptor de divisas, en donde la máquina es además operativa para liberar contenido digital en respuesta a recepción de efectivo en el aceptor de divisas.

53. Un método que comprende:

(a) suministrar al menos una entrada de identificación de cuenta a al menos un dispositivo de entrada del cajero

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122

automático de la reivindicación 7;

(b) suministrar al menos una entrada de dispensación a al menos un dispositivo de entrada de la máquina;

(c) dispensar uno u otro efectivo desde la máquina o contenido digital en respuesta a al menos una entrada de dispensación.

54. El método según la reivindicación 53 y que además comprende:

(d) cargar una cantidad por la dispensación de efectivo o contenido digital, a una cuenta asociada con al menos una entrada de identificación de cuenta.

55. El método según la reivindicación 54 en donde el paso (a) comprende la lectura de indicios de identificación de cuenta desde una tarjeta con un lector de tarjetas sobre la máquina, y en donde el paso (d) comprende comunicación con un sistema de transacción financiera remotamente localizado con relación a la máquina.

56. El método según la reivindicación 53 en donde el

paso (c) incluye la grabación del contenido digital dispensado con un dispositivo de computación portátil.

57. El método según la reivindicación 56 en donde el paso (c) incluye la colocación del dispositivo de computación portátil en conexión operativa liberable con un dispositivo de salida en la máquina.

58. El método según la reivindicación 56 en donde en el paso (c) la grabación es conducida tal que la reproducción desde el dispositivo de computación portátil es restringida.

59. El método según la reivindicación 53 en donde el contenido digital comprende un archivo de sonido.

60. El método según la reivindicación 59 en donde el contenido digital comprende un archivo de música.

61. El método según la reivindicación 53 en donde el contenido digital comprende un archivo audiovisual.

62. El método según la reivindicación 53 en donde en el paso (c) la dispensación de contenido digital comprende

el envío de contenido digital a través de al menos una red hacia una dirección de liberación de red.

63. El método según la reivindicación 53 y que comprende además:

(d) la acreditación de una cuenta fuente asociada con una fuente de contenido digital en respuesta a la dispensación de contenido digital en el paso (c).

4. El método según la reivindicación 53 y que además comprende:

(d) la acreditación de una cuenta de licencia asociada con una entidad autorizadora del contenido digital en respuesta a la dispensación de contenido digital en el paso (c).

65. El método según la reivindicación 53 y que además comprende:

(d) la debitación de una cantidad desde una cuenta asociada con la entrada de identificación de cuenta; y

(e) la acreditación de una cantidad a una cuenta de

prepago;

(f) la debitación de una cuenta de prepago en respuesta a la dispensación de contenido digital en el paso (c).

66. El método según la reivindicación 53 en donde en el paso (c) la dispensación de contenido digital incluye la liberación de sonidos a través del sistema sonido.

67. El método según la reivindicación 53 en donde en el paso (c) la dispensación de contenido digital incluye la liberación de material audiovisual a través del sistema audiovisual.

68. El método según la reivindicación 66 en donde la máquina está localizada en un establecimiento, y que además comprende:

(d) el cargo a una cuenta asociada con el establecimiento en respuesta a la dispensación de contenido digital.

69. El método según la reivindicación 53 y que además comprende:

la reproducción en un depósito de datos de contenido local en la máquina, el contenido digital desde al menos un depósito de datos de contenido remoto accesado a través de al menos una red por la máquina.

70. El método según la reivindicación 69 en donde en el paso (c) el contenido digital es liberado desde el depósito de datos de contenido local.

71. El método según la reivindicación 69 en donde en el paso (c) el contenido digital es liberado desde cualquiera el depósito de datos de contenido local o el depósito de datos de contenido remoto.

72. El método según la reivindicación 53 en donde en el paso (a) la entrada de identificación de cuenta comprende una entrada biométrica de un usuario de la máquina.

73. El método según la reivindicación 53 en donde el paso (c) comprende la reproducción de contenido digital sobre un medio portátil.

74. El método según la reivindicación 74 en donde en

127

el paso (c) el medio portátil proviene desde un suministro de medios portátiles en la máquina.

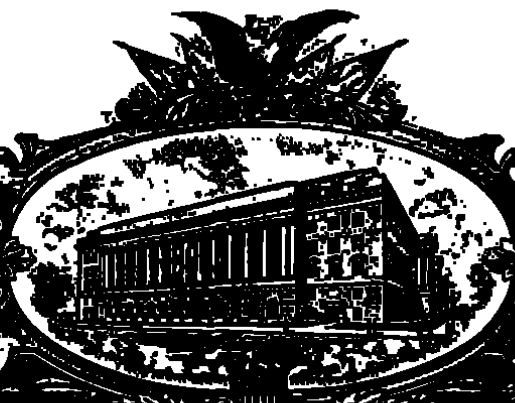
75. El método según la reivindicación 53 en donde en el paso (c) el medio portátil es suministrado por un usuario de la máquina.

76. El método según la reivindicación 53 y que comprende además:

(d) la recepción de divisas con un aceptor divisas en la máquina; y

(e) la dispensación de contenido digital en respuesta a la recepción de divisas en el paso (d).

77. Medio legible de computador operativo para hacer que al menos un procesador en el cajero automático lleve a cabo el paso (c) citado en la reivindicación 53, en respuesta a ejecutar los pasos (a) y (b).



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

March 30, 2001

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE UNDER 35 USC 111.

APPLICATION NUMBER: 60/250,269

FILING DATE: November 30, 2000



By Authority of the
COMMISSIONER OF PATENTS AND TRADEMARKS


N. WOODSON
Certifying Officer

11/30/00
10916 U.S. PTO

12-01-00

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Approved

Practitioner's Docket No. D-1132 P2

PATENT

10923 U.S. PTO
60/250269
11/30/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Dale Blackson

For: SYSTEM AND METHOD FOR DISPENSING DIGITAL INFORMATION
FROM AN AUTOMATED TRANSACTION MACHINE

Box Provisional Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

COVER SHEET FOR FILING PROVISIONAL APPLICATION
(37 C.F.R. § 1.51(e)(1))

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 C.F.R. 1.51(e)(1)(i).

1. The following comprises the information required by 37 C.F.R. § 1.51(e)(1):

CERTIFICATION UNDER 37 C.F.R. 1.10*
(Express Mail label number is mandatory.)
(Express Mail certification is optional.)

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on 11-30-2000 (date), in an envelope as "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 Mailing Label Number EL670219338US addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Ralph R. Jocke
(type or print name of person mailing paper)

[Signature]
Signature of person mailing paper

WARNING: Certificates of mailing (first class) or facsimile transmission procedures of 37 C.F.R. 1.8 cannot be used to obtain a date of mailing or transmission for this correspondence.

***WARNING:** Each paper or fee filed by "Express Mail" must have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. 1.10(b).
"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

(Cover Sheet for Filing Provisional Application—page 1 of 3)

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130

2. The names of the inventors are (37 C.F.R. § 1.51(c)(1)(ii)):

1. Dale Blackmon

3. Residence addresses of the inventors, as numbered above (37 C.F.R. § 1.51(c)(1)(iii)):

1. 5056 Paddington Down Street, Canton, Ohio 44718 US

4. The title of the invention is (37 C.F.R. § 1.51(c)(1)(iv)):

SYSTEM AND METHOD FOR DISPENSING DIGITAL INFORMATION FROM
AN AUTOMATED TRANSACTION MACHINE

5. The name, registration, customer and telephone numbers of the practitioner are (37 C.F.R. § 1.51(c)(1)(v)):

Name of practitioner: Ralph E. Jocke

Reg. No. 31,029

Tel. No. (330) 721-0000

6. The docket number used to identify this application is (37 C.F.R. § 1.51(c)(1)(vi)):

Docket No. D-1132 P2

7. The correspondence address for this application is (37 C.F.R. § 1.51(c)(1)(vii)):

Ralph E. Jocke
231 South Broadway
Medina, OH 44256 US

8. Statement as to whether invention was made by an agency of the U.S. Government or under contract with an agency of the U.S. Government. (37 C.F.R. § 1.51(c)(1)(viii)).

This invention was NOT made by an agency of the United States Government, or under contract with an agency of the United States Government.

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121

9. Identification of documents accompanying this cover sheet:

A. Documents required by 37 C.F.R. §§ 1.51(c)(2)-(3):

Specification:	No. of pages	26
Drawings:	No. of sheets	3

B. Additional documents:

Claims:	No. of claims	77
Abstract		1

10. Fee

The filing fee for this provisional application, as set in 37 C.F.R. § 1.16(k), is \$150.00, for other than a small entity, and \$75.00, for a small entity.

Applicant is not a small entity.

11. Fee payment

Fee payment in the amount of \$150.00 is being made at this time.

12. Method of fee payment

Charge Account No. 09-0428 (InterBold), in the amount of \$150.00.

A duplicate of this Cover Sheet is attached.

Please charge Account No. 09-0428 (InterBold) for any fee deficiency.

Date: 11-30-2000

Reg. No.: 31,029

Tel No.: (330) 721-0000


Signature of practitioner

Ralph E. Jocke
231 South Broadway
Medina, OH 44256 US

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PROVISIONAL APPLICATION FOR UNITED STATES LETTERS PATENT

Title: SYSTEM AND METHOD FOR
DISPENSING DIGITAL
INFORMATION FROM AN
AUTOMATED TRANSACTION
MACHINE
Inventors: DALE BLACKSON
Docket No.: D-1132 P2

TECHNICAL FIELD

This invention relates to the dispensing of digital information from an automated transaction machine. Specifically this invention relates to a system and method for downloading and dispensing digital information such as sound recording files from an automated transaction machine.

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BACKGROUND ART

Automated transaction machines are known in the prior art. For purposes of this disclosure an automated transaction machine shall include any device which is capable of carrying out transactions including transfers of value. A common type of automated transaction machine is an automated teller machine (ATM). ATMs are typically operative to perform banking transactions such as dispensing cash, transferring value between banking accounts, or accepting deposits. Many ATMs are located in retail or service facilities such as stores, gas stations, restaurants and bars. The owners of these facilities often generate income from the ATMs through service fees on transactions performed with the ATM. For example if a user withdraws an amount of cash from the ATM, the user may be charged a small transaction fee.

If the ATM has only marginal use, the income generated may not be sufficient to justify the expense of maintaining the ATM. For example maintenance and service costs may consume a large portion of the monthly income generated by an ATM which has low transaction volumes. Consequently to enable ATMs to generate additional income there exists a need for an ATM to perform additional income producing activities that do not significantly increase the expense of maintaining the ATM.

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Methods for the digital recording of sound are also known in the prior art. Such digital recordings are typically distributed on compact disks (CD) for playback on a CD player. As sound systems have become a standard feature of any new personal computers, digital sound recordings are also being distributed as computer files. Common formats for sound computer files include WAV (Waveform Audio File Format) and MP3 (MPEG-1 Audio Layer-3). To play such files, computer systems can employ a sound file player application such as the Windows Media Player. Sound file player applications read the digital sound files and output corresponding music through the sound card and speakers of the computer system.

Digital sound recordings may also be copied directly from an audio CD through a process called "ripping." Essentially ripping refers to the reading of the digital information that represents audio on the CD and saving the information in a computer readable sound file. Different formats of sound files have different characteristics. For example WAV files are typically uncompressed digital versions of sampled sound. MP3 files are typically created by compressing a sound sequence into a very small file (about one-twelfth the size of a corresponding WAV file). However, MP3 files are "lossy" meaning that the compression algorithms remove digital information that most people cannot hear or cannot distinguish from other sounds. If a high sampling rate is used to generate the MP3 files, the sound quality is only slightly inferior to that of the original audio file. However, the advantage of the smaller size of the MP3 files is significant. These advantages include the ability to store more hours of sound recordings per amount of space in physical storage mediums such as, for example, hard disks, RAM, and flash memory cards. Also, the smaller size of MP3 files enables them to be downloaded much faster through a network such as the Internet.

135

Numerous web sites on the Internet offer digital sound files such as MP3 files for downloading to a personal computer. Also as a result of the popularity of digital sound files, portable computer systems have been developed such as the Diamond RIO which are specifically designed to load and play sound recording files.

5 Unfortunately, the technology associated with creating MP3 files from a CD and downloading MP3 files from web sites has resulted in a significant amount of music piracy and lost revenues for artists and music recording companies. Anyone with a home PC can generate an unlimited number of copies of digital sound files. By placing such pirated files on an Internet web site, unlimited distribution of pirated sound files is possible.

To deter copyright infringement and unrestricted piracy of digital sound recordings, the music industry is promoting an alternative file format for storing digital recordings called SDMI (Secure Digital Music Initiative). The SDMI specification for sound files offers similar compression characteristics as the MP3 file format; however, SDMI is designed to have built in copyright protection features which limit the playback and duplication of the files. In addition Microsoft has developed an alternative specification for compressing and copyright protecting sound files called Windows Media.

20 Because MP3 files are already widely accepted as the de facto standard, it may be very difficult for new file formats to replace MP3. The popularity of MP3 files coupled with unlimited sound file piracy may significantly decrease the revenue that recording labels and artists generate from the sale of music and other forms of audio. Consequently, there exists a need for a system of distributing MP3 files that enables the copyright holder to receive licensing fees for each distribution of an MP3 file.

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DISCLOSURE OF INVENTION

It is an object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to dispense digital information.

5 It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to dispense digital information to a portable storage medium.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to dispense digital information to a portable computing system.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to dispense digital information in exchange for a user fee.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to output digital information to an output device in exchange for a user fee.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to distribute user fee income generated from the dispense of digital information among a plurality of entities.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to download digital information from a digital information source located on a network.

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It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to dispense digital sound recordings.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to play digital sound recordings through a sound system.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to dispense digital sound recordings onto a portable storage medium.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to dispense digital sound recordings to a portable digital sound file player.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to charge an account of a user in exchange for the playing of digital sound recordings.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to provide a selection of digital sound recordings to play when the user performs a banking or other transaction at the machine.

It is a further object of an exemplary embodiment of the present invention to provide an automated transaction machine that is operative to offer a selection of digital sound recordings to play that are downloaded from a network such as the Internet.

Further objects of exemplary embodiments of the present invention will be made apparent in the following Best Modes for Carrying Out Invention and the appended claims.

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The foregoing objects are accomplished in one exemplary embodiment of the invention by an ATM that is operative to dispense digital information which is also referred to herein as digital content. In the exemplary embodiment the digital information includes digital sound recording files that may be output through an output device such as a sound system in operative connection with the ATM. However in alternative embodiments, the digital information may include other types of information that may be digitally stored and transported over a network. Other examples of digital information include digital representations of images, books, software, audiovisual works, movies, TV shows, magazines, newspapers, games, compilations, and databases.

The ATM is in operative connection with storage read/write devices such as a floppy disk drive, smart card drive, flash memory drive, or any other device that is operative to read and write information to a portable storage medium. In the exemplary embodiment the ATM is operative to save digital information such as digital sound recording files to the portable medium.

Alternative embodiments of the ATM may include a portable computing device communication port that is operative to communicate with a portable computing device. When a portable computing device, such as a laptop computer, hand-held computer, or sound file player is placed in operative connection with the communication port, the ATM is operative to send digital information such as digital sound recording files to the portable computing device.

Examples of communication ports that are operative for use with embodiments of the present invention include a Universal Serial Bus (USB) port, parallel port, RS-232 Serial Port, Infrared (IR) Port, Radio Frequency (RF) port, or any other type of physical or wireless communication port.

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The ATM is operatively programmed to accept a fee from a user in exchange for outputting either digital information or saving digital information to a portable storage medium or portable computing device. For ATMs that include a card reader and are in operative connection with a host banking system, the ATM may be operative to charge the fee to an account associated with a credit card, debit card, or smart card for example. For ATMs that include a currency accepting device, the ATM may be operative to accept currency in exchange for outputting or saving digital information.

In an exemplary embodiment of the present invention, the ATM is in operative connection with a private network or public network such as the Internet. The ATM is programmed to enable a user of the ATM to view and select digital information that is downloaded across the network. For example the ATM is operative to display visual outputs corresponding to a plurality of sound recording files such as MP3 files, that can be executed to reproduce individual musical performances such as songs. The ATM is further operative to download one or more of these sound files in exchange for a fee and to either play the song through a sound system or send the song to a portable storage medium or computing device.

In an alternative form of the present invention, the ATM may be operative to periodically download a selection of digital information in response to programmed instructions to acquire one or more categories of digital information. By pre-downloading and storing digital information, the ATM does not need to be continually connected to a source of digital information. Also any delay caused by having to download individually selected information files across a network is eliminated because the files are stored locally in the ATM.

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For example when the digital information corresponds to sound recording files, the ATM may be operative to periodically download sound files that correspond to the most popular songs for the week or other time period. In another example if the digital information corresponds to digital books, the ATM may be operative to periodically download digital books that correspond to a fiction or nonfiction best seller list or ranking. In another example if the digital information corresponds to broadcast TV shows, the ATM may be operative to periodically download digital files that correspond to the TV shows that were broadcast over a certain time period. Of course in other embodiments other types of digital information may be delivered and stored in the machine for delivery to users, or downloaded at the time in response to the user's request.

In an exemplary embodiment of the present invention, the ATM may be operative to distribute the user fees for the dispense of digital information among a plurality of entities, including the owner of the ATM, the source of the digital information, and/or a licensing organization. This distribution may be performed for each user transaction or may be performed on a periodic basis. When the distribution is performed periodically, the ATM is operative to calculate an amount of value that corresponds to licensing fees for digital information that is downloaded or dispensed by the ATM during a time period. An amount of value equal to this calculated amount may then be transferred from an account associated with the ATM such as the operator thereof to the source(s) of the digital information and/or to licensing organizations.

When the digital information requires copy protection features, the ATM may be further operative to include or activate a copy protection feature responsive to the type of license being purchased by the user. For example, if the ATM dispenses SDMI or Windows Media sound

recording files, the ATM may be operative to configure the files to limit where and how long the sound files can be played as well as whether duplication is allowed.

BRIEF DESCRIPTION OF DRAWINGS

5 Figure 1 is a schematic view representative of an exemplary embodiment of an automated transaction machine and system of the present invention that is operative to dispense digital information.

Figure 2 is a schematic view representative of an exemplary embodiment of an automated transaction machine and system of the present invention that is operative to dispense digital sound recordings.

Figure 3 is a schematic view representative of the distribution of transaction fees from digital information dispensed by an ATM.

BEST MODES FOR CARRYING OUT INVENTION

Referring now to the drawings and particularly to Figure 1, there is shown therein a schematic view of an automated transaction machine of an exemplary embodiment of the ATM 10 of the present invention. The ATM 10 includes at least one computer processor 12 that is operatively programmed to enable the ATM to perform at least one banking transaction such as the dispense of cash. The computer processor 12 is also operatively programmed to enable the ATM to dispense digital content which is alternatively referred to herein as digital information. To perform these functions the ATM further includes in operative connection with the computer processor 12, at least one data store 13, a display device 14, at least one input device 16, at least

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one output device 18, a card reader 20 which also serves as an input device, and a cash dispenser 24. The ATM 10 is further operative to communicate with at least one financial transaction processing computer which is operative to carry out financial transfers which in this example is host banking system 30. ATM 10 also is enabled to communicate with at least one digital information source 32. In the exemplary embodiment of the present invention the ATM 10 is operative to download digital information from the digital information source 32 through a network 34 such as the Internet.

It should be understood that the ATM 10 and system are exemplary and in other embodiments automated transaction machines may include other or additional devices and may operate in other types of systems. For example, embodiments of the present invention may include in operative connection with the computer processor 12, a currency acceptor 22, a data store including a storage device drive 26, and a communication port 28 which serves as an output device. The storage device drive 26 serves as a local data store and enables the computer processor to dispense digital information to a portable storage medium 36. The communication port 28 enables the computer processor to cause the dispense of digital information to a portable computing device 38.

Figure 2 schematically shows an exemplary embodiment of the ATM 10 that is operative to dispense both cash and digital content comprising sound recordings such as music and songs. However, it is to be understood that the present invention also encompasses the dispensing of other types of digital information including digital representations of images, books, software, audiovisual works, movies, TV shows, magazines, newspapers, games, compilations, databases and other types of digital content that may be delivered in a digital format.

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Exemplary ATM 10 includes a display device 14 such as a CRT monitor or LCD display.

The display device is operative responsive to the processor to output user interface indicia 46.

The user interface indicia may include instructional outputs for operating the ATM as well as content indicia which are representative of the portions of digital information that may be

5 dispensed from the ATM for a fee. In some embodiments the content indicia may include listings of songs, movies, books or other portions of the digital content which a user may select to have delivered. Exemplary embodiments may also include graphical representations regarding the information, such as pictures of the artist or CD liner in the case of music files. Audio and/or visual outputs may also be provided to identify, and in some cases enable the user to sample the available information.

Exemplary ATM 10 also includes at least one input device 16 such as a keypad and selection buttons. The input device(s) enable the user to enter operation inputs such as a personal information number (PIN) corresponding to an account, an amount of cash to withdraw, or a selection of a particular digital sound recording or other portion of the digital content to dispense. Although this described embodiment includes function keys and a keypad, alternative embodiments of the present invention may use other or additional types of input devices for entering information, such as a touch screen device, a speech recognition system, or a track ball.

ATM 10 also includes a cash dispenser 24 and a card reader 20. The card reader 20 is operative to read indicia corresponding to account information from a user's card. The card may be a bank card, credit card, debit card, gas card, merchant card, smart card, or other medium that is operative to store account data and/or other information which may be used to identify a user or their accounts. In other embodiments the ATM may include a biometric type reading device

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which may identify the user by a characteristic thereof. Such biometric reading devices may include for example a fingerprint reader, iris scanner, retina scanner, voice recognition device, facial recognition reader or other device. The exemplary ATM 10 is operative to dispense a selected amount of cash to the user from the cash dispenser 24, and to debit the account of the user through communication with a financial transaction computer such as a host banking system. The exemplary ATM 10 is also operative to debit user fees from the account for dispensing digital information from the ATM as well.

In alternative embodiments of the present invention, the ATM may also include at least one currency accepting device 22. For users who do not wish to use an account to pay for the dispense of digital information, the ATM is operative to receive the user fees in the form of cash such as bills and/or coin, using the currency accepting device 22.

In the exemplary embodiment, the digital information dispensed by the ATM 10 includes digital sound recording files 44. Examples of digital sound recording files include MP3 files, WAV files, SDMI files, and Windows Media files. Typically each file corresponds to an individual music selection or song. However, sound files may correspond to any collection of sounds of any type and length. Other examples of sound recording files include compilations of songs such as are found on music CDs and spoken textual material corresponding to news articles, stories, speeches and books.

In the exemplary embodiment, the ATM 10 acquires sound files to dispense from at least one remote digital information source 32. The source 32 may include a web site or FTP site on the Internet, or sources in other public or private networks. The exemplary ATM 10 is operative to periodically download a plurality of sound files that match certain customizable programmed

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criteria. The ATM may also download corresponding graphics or video files associated with the sound files. These downloaded files are stored locally at the ATM in a local content data store 13 such as a hard drive. The ATM 10 is operative to display or output graphical, textual and/or audio content indicia representative of these sound files with the display device 14. A user of the ATM 10 may then provide one or more inputs to select and/or dispense one or more of these sound files.

The ATM may be programmably configured with different types of downloading criteria. For example, if the ATM is located in a dance club, the downloading criteria may be configured to have the ATM periodically download the sound files that correspond to the top 100 most popular dance songs for the month. If the ATM is located in a book store, the ATM may be configured to periodically download sound files representative of the best-selling fiction and nonfiction books for the month.

In the exemplary embodiment if the data store 13 does not have already stored therein the sound file that a user desires, the exemplary ATM is further operative to have the user enter a selection input corresponding to the desired sound file such as a title or the name of an artist or group. The ATM is then operative to query one or more remote content data stores for the requested sound file(s). A message is returned to the ATM which is operative to cause the processor to generate a listing of matching sound files which is displayed on the display device 14 of the ATM 10. In a response to one or more dispense inputs from the customer, and for a fee, the ATM 10 is then operative to download and dispense one or more of the matching sound files from an output device.

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In embodiments of the invention in which a network connection such as an Internet connection is not available or is not always used, the ATM may be operative to acquire sound files from portable storage mediums such as CDs. Such sound files may then be copied or ripped from the CD and saved locally to the data store 13 in the machine.

5 The exemplary ATM may be operative to dispense digital information in a plurality of different ways depending on the type of digital information. For example the ATM described in connection with Figure 2 further includes an output device 18 that includes a sound system. The sound system 18 includes a sound signal amplifier 40 with a plurality of speakers 42. The ATM 10 is operative to output through the sound system 18, analog or digital signals that correspond to selected digital sound recording files. The signal amplifier 40 is operative to output sound through the speakers 42 that corresponds to the sound file signals. Such an ATM may then function as a fee-based digital music player or jukebox. For restaurants, bars, and other facilities that offer music, the exemplary embodiment of the present invention offers the ability to generate user fees for both the dispensing of cash and the dispensing of audible music.

For other forms of digital information that is visual, such as text, images or video for example, the ATM may be operative to output such digital content either through the display device 14 of the ATM 10 or through an output device 18 that includes a video system. A video system may include one or more monitors, TVs, speakers, LCD displays, or projection TV. The embodiments of the present invention may include multiple output devices for outputting multiple forms of digital information concurrently.

If multiple sound files or other forms of digital information have been selected for output through the output device, the exemplary embodiment may be operative to sequentially output

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each song either in the order the digital information was selected, or in other orders, including alphabetical by title of song, artist, album, style, or in a random order.

Alternative embodiments of the present invention may also dispense digital information such as sound files, to other storage mediums. For example the ATM 10 may include a storage device drive 26 such as a CD-RW drive which is operative to accept a portable storage medium 36 such as a rewriteable CD. For a fee the ATM may be programmed to dispense the sound file by writing a copy of the sound file on a user supplied CD. Alternatively, the ATM may include a supply of blank CDs or other media, and may copy the file onto the media and deliver it to the user. Examples of other types of storage device drives that are operative for use with embodiments of the present invention may include portable hard drive readers such as an Iomega Jaz® drive, magneto optical drives such as an Iomega Zip® drive, flash memory drives for writing to flash memory devices such as CompactFlash, DVD RW drives, Mini-CD drives, and digital tape drives.

Alternative embodiments of the present invention may dispense digital information such as sound files, through an output device which includes a communication port 18 directly to a portable computing device. Examples of suitable communication ports 18 include a Universal Serial Bus (USB) port, a serial RS-232 port, parallel port, an infrared (IR) port, a radio frequency (RF) port, an IEEE-1394 port, or a network port such as an Ethernet connection. When a portable computing device such as a Diamond Rio is connected to the port 18, the ATM may be operative for a fee to download MP3 sound files to the RIO MP3 player. Examples of other types of portable computing devices that may receive dispensed digital information such as

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sound files include a portable computer such as a notebook computer, a personal digital assistant (PDA) and a mobile phone.

In alternative embodiments the present invention may be operative to dispense digital information to a user through the Internet by e-mail or FTP for example. In such embodiments the user may select the information through inputs to the ATM 10. The ATM would prompt the user to input through at least one input device an e-mail, FTP or other network delivery address. The ATM would then be operative through an output device such as a suitable network interface, to e-mail or FTP the selected digital information to the user, rather than dispensing the digital information through output devices, to a portable storage medium or to a computing device adjacent the ATM. Alternatively the ATM may send one or more messages through one or more networks to a remote computer, which messages cause the remote computer to send the selected digital content to the network address.

Figure 3 shows a schematic view representative of accounts that are accessed by the exemplary ATM 10 for distributing user fees. Because the ATM 10 is in operative connection with a host banking system, ATM 10 is enabled to deduct a user fee from an account of the user in exchange for the dispense of digital information. The exemplary embodiment of the ATM 10 operates by reading an account number from a card inserted by a user into the card reader 20. The account number includes data representative of the institution where the user's account is held. Examples of cards that are operative for use with some embodiments of the present invention include credit cards, bank cards, debit cards, merchant cards, smart cards, or any other portable medium that can store account or user information and/or data representative of stored value. The exemplary ATM 10 is operative to communicate with a financial transaction

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computer which includes or which can communicate with, a host banking system which can validate a user inputted PIN and authorize a transaction requested by the user at the ATM. If the PIN is valid and the transaction authorized, the message(s) sent by ATM 10 is further operative to cause the host banking system to debit user fees from the user's account corresponding to the requested dispense of cash and/or the requested dispense of digital information. Transaction fees or other charges for the convenience of using the machine may also be charged to the user's account. Alternatively as previously discussed, embodiments of the present invention may identify users by biometric information. The biometric data from the user may then be used by a local or remote computer to identify the user and/or their associated account information.

The dispensing of most digital information is limited by the copyright owner. Typically the copyright owner requires a fee or royalty to copy, display, publicly perform or otherwise deliver the work. The amount of the fee may vary depending on how the work is authorized to be used. For example if the work is a sound recording, the fee to play the sound file one time in a restaurant may be much less than the fee to dispense the sound file to a portable storage medium which may be duplicated an unlimited number of times. Consequently, an exemplary embodiment of the present invention is operative to track how digital information is dispensed and to transfer corresponding licensing fees to a licensing entity, a digital information source and/or other entities authorized to receive payment. Likewise stored information concerning the nature, location, size, contract status or other information concerning the establishment in which the particular ATM is located may be used to determine the fee. For example the fee to play a music file in a small restaurant may be less than in a large dance club. Similar principles may be applied to charging for other types of audio files, audiovisual files and pay-per-view type events.

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The exemplary ATM 10 may be operative to debit a user fee from the user's account 50 for each dispense of digital information. The user fees may be transferred to a common banking account 54 of the operator of the ATM 10. Transfers of user fees may occur either immediately with each dispense and/or may occur periodically with the ATM 10 transferring data concerning multiple charges made to credit cards of various users to a financial transaction computer, such as a settlement host for example, which is operative to credit and debit accounts of the appropriate entities.

Licensing fees for downloading digital information from a digital information source may be transferred in a similar manner. The ATM 10 may generate messages or may include data in messages operative to cause a financial transaction computer to transfer a licensing fee from the account 54 that corresponds to the operator of the ATM 10, to an account of the digital information source 32. Such a transfer may be performed through the host banking system or through another transaction switch or through interaction of one or more financial transaction computers. Such transfers may occur with each download or may occur periodically for a batch of downloads which have occurred during a prior time period.

In an alternative embodiment, the ATM 10 is configured with inputs which include a terminal identifying UserID and a password for use when connecting through one or more networks to the digital information source 32. The UserID and password enable the ATM 10 to access the digital information source 32 and to download digital information. The digital information source 32 monitors all downloads that correspond to the UserID and periodically charges the account 54 that corresponds to the operator of the ATM. Alternatively for some types of digital information, the charge may be assessed against an account of the establishment

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where the ATM is located or an account of the operator of the establishment. This may be appropriate in cases where the use associated with the digital information, as indicated by the transaction messages received from the ATM and/or based on stored data, is a public display or performance of the work in the establishment. Of course other approaches may be used.

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Once digital information has been downloaded to the data store 13 of the ATM 10, the copyright owner of the digital information may require that a licensing fee be paid with each dispense of the digital information to a user or upon each public display or performance. The ATM 10 or other connected computer is operative to keep records of each dispense of digital content and the character of dispense that is made. The exemplary ATM is further operative to transfer licensing fees associated with each dispense to an account of the digital information source 32 or another licensing entity 52 through the financial transaction computer. This transfer may be done with each dispense or periodically for a batch of dispenses.

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In an alternative embodiment, the ATM 10 may be operative to transfer dispense records to the digital information source or the licensing entity through the Internet or other network. The digital information source 32 or licensing entity 52 may then debit or charge the licensing fees from an account that corresponds to the user, the operator of the ATM, the operator of the establishment or other appropriate entity.

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For digital information that includes copy protection features or other technological measure to limit reproduction, access or use of the copyrighted work, the ATM 10 may be further operative to configure or incorporate the protection features and charge a user fee that corresponds to the copy or other protection features which are included. For example ATM 10 may be enabled to have the user select licensing features of a song file such as unlimited or

restricted duplication, expiration dates, or other features of the sound file that affect the reproduction or use of the sound file. For example, the protection features used in some embodiments of the invention may restrict reproduction of the digital content so that it may only be played in the portable computing device to which it is initially delivered. Other features may restrict reproduction by preventing the digital content from being transferred from or otherwise reproduced in digital form from the media or device on which it is initially delivered. Other features may restrict reproduction by limiting the use of the digital content to a particular time period or to a particular number of plays. Of course additional or alternative approaches may be used depending on the system and the digital content involved. The ATM 10 may be operative to charge the user a corresponding user fee based on the type of protection features selected. The ATM may also be operative to cause the corresponding licensing or other fee to be paid to the source of the digital information or a licensing entity.

Alternative embodiments of the present invention may be used in connection with systems which include stored information concerning particular users. Such systems may be used to correlate the identity of the user with marketing or customer preference data. Such information may include particular categories of music, videos, books or other materials or products that can be provided and/or that are of interest to the particular user. The ATM may operate to automatically give the user options for selections tailored to their associated preference information. Alternatively such information may be used to automatically provide the user with digital files, visual or audio outputs or other outputs whenever the user operates an ATM connected to the system. For example when the ATM is operated as a jukebox, the ATM may

operate to automatically display indicia corresponding to favorite artists or songs, or to output one or more of the user's favorite songs.

In certain embodiments of the invention it may not be desirable for a user to access their financial account each time a relatively small charge for digital information is assessed to the user. In such systems the system may be configured so that the user is required to make a "minimum purchase." This amount may be a charge reasonably sufficient to offset the costs of accessing the account, for example \$10 or \$20. This amount would then be credited to a content prepay account associated with the user. A prepay account record indicating a credit associated with the user or their account would then be stored in one or more data stores. This credit information may be stored locally on a smart card or other item, at the ATM or remotely in a computer such as a financial transaction computer which can be accessed from the ATM. For example in some embodiments the amount may be credited to a licensing or other organization. Alternatively, a financial transaction computer may debit the prepay account of the user as it is used and route payments to the appropriate entities. The amount of value associated with the prepay account may then be reduced each time the user receives a delivery of digital content until the account is exhausted. Such a system may be advantageously used where the fees involved in each digital file transaction are small, such as the cost of playing sound files. Such a system also provides the system operator, licensing entity, or other entity the benefit of the "float" on the allocated funds.

To discourage or limit the unauthorized reproduction of digital information that may be dispensed, exemplary embodiments of the present invention may be operatively programmed to modify features of the digital information before it is delivered for reproduction on a portable

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medium and computing device. For example with digital sound files, the processor in the ATM comprises a reproduction device that may embed a digital code or certificate in the sound file that is reproduced on the user's portable digital sound player or other personal computing device. Such a certificate may further include an encrypted digital signature that can be used to detect unauthorized alterations of the file.

The portable sound player would only be operative to play the sound file if the digital certificate corresponds to a unique code or certificate associated with the portable sound player. Also the portable sound player would only be operative to play the sound file if the digital signature indicates that the sound file is authentic. Such features would limit playback of the file to the user's personal sound player. The sound file would be inoperative on another personal sound playing device that is associated with a different certificate or code. Of course the same principles may be used with files that are downloaded to the ATM itself for storage in the local data store, when the files are only to be played through use of the ATM and not transferred to other devices.

In alternative embodiments the ATM may be operatively programmed to have the user register with a licensing entity for the digital content prior to dispensing digital content for the first time. During the registration process the user would be associated with a unique license code that may also be used when purchasing digital content in the future. The ATM may then be operative to embed the license code in each file that is dispensed for the user. The next time the user wishes to purchase digital information, the ATM may then be operatively programmed to accept the input of the license code from the user.

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For example the license code may be manually input with the input device 16, read from a card with the card reader device 24, downloaded from the user's portable computing device 38, retrieved from another source and/or correlated with other data concerning the user. The ATM would then be operative to validate the license code by communicating with the licensing entity.

5 If the license code is valid and/or is in good standing, the ATM would be operative to dispense additional digital information with the embedded license code of the user. Such a unique license code may be generated by the licensing organization, or may correspond to the previously described digital code or certificate associated with the user's computing device.

These described methods of copy and/or use protection of the dispensed digital information may be further associated with a subscription service or club. For example during the previously described registration process the ATM may prompt the user to sign up for a digital information service that for a monthly fee enables the user to dispense a certain amount and/or type of digital information. For example the service may correspond to the dispensing of music files or digital book text files. Each month the user would be entitled to dispense a certain amount of these files from the ATM for a discount club rate fee or for no additional fee per dispense transaction.

When the user first signs up for the service, the ATM may be further operative to enable the user to associate payment of the service or club fees to an account of the user for automatic debit of the monthly club dues or dispense fees from the user's account. Such automatic payment information may be acquired by reading account information from a user's credit card or banking card with the card reader device 20 of the ATM.

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useful structures, devices, elements, arrangements, parts, combinations, systems, equipment,
operations, methods and relationships are set forth in the appended claims.

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CLAIMS

We claim:

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1. **An automated transaction machine apparatus comprising:**

at least one computer processor;

**at least one data store in operative connection with the computer processor,
wherein the computer processor is operative to cause a plurality of digital
information files to be retrieved from at least one digital information source
located remotely from the machine and saved in the data store;**

at least one input device in operative connection with the computer processor;

**a cash dispenser device in operative connection with the computer processor,
wherein the computer processor is operative to cause the cash dispenser to
dispense currency responsive to at least one first input through the at least one
input device; and**

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**at least one output device in operative connection with the computer processor,
wherein the computer processor is operative to cause the dispense of at least one**

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161

6. The apparatus according to claim 1, wherein the computer processor is operative to cause a licensing fee associated with the at least one digital information file, to be transferred to a licensing entity.

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7. Apparatus comprising:

an automated transaction machine including:

at least one input device;

a cash dispenser, wherein the cash dispenser delivers cash from the machine responsive to inputs to the at least one input device;

at least one output device, wherein the at least one output device is operative to cause the delivery of digital content responsive to inputs to the at least one input device.

8. The apparatus according to claim 7 wherein the at least one output device is releasibly operatively connectable to a portable computing device.

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162

9. The apparatus according to claim 8 wherein the at least one output device comprises a communications port releasibly operatively connectable to a portable computing device adjacent the machine.

10. The apparatus according to claim 9 wherein the digital content comprises at least one sound file.

11. The apparatus according to claim 10 wherein the at least one sound file comprises a music file.

12. The apparatus according to claim 9 wherein the digital content comprises at least one audiovisual file.

13. The apparatus according to claim 7 wherein the at least one input device is adapted to receive at least one input corresponding to an account, and wherein the machine further includes:

at least one processor, wherein the processor is in operative connection with the at least one input device, the cash dispenser and the at least one output device, and wherein the processor is operative to cause the account to be charged for at least one of delivered cash and digital content.

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14. The apparatus according to claim 13 wherein the at least one input device includes a card reader, and wherein the input corresponding to an account is produced responsive to at least one card read by the card reader.

5 15. The apparatus according to claim 13 wherein the processor is operative to cause content indicia corresponding to a plurality of portions of the digital content to be output through the at least one output device, and wherein the processor is operative to cause a selected portion of the digital content to be delivered responsive to at least one selection input corresponding to the selected portion, through the at least one input device.

16. The apparatus according to claim 15 wherein the machine includes a display device and the content indicia is output through the display device.

17. The apparatus according to claim 16 wherein the content indicia includes a graphic image corresponding to at least one of the portions of the digital content.

18. The apparatus according to claim 13 wherein the apparatus comprises at least one content data store, wherein the digital content is delivered from the content data store.

20 19. The apparatus according to claim 18 wherein the content data store comprises a local content data store located in the machine.

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20. The apparatus according to claim 18 and further comprising:

at least one network in operative connection with the machine; and

5 at least one remote computer in operative connection with the network, wherein the content data store is in the at least one remote computer.

21. The apparatus according to claim 20 and further comprising:

at least one financial transaction computer in operative connection with the at least one network, wherein the processor is operative to cause the account to be charged through communication with the at least one financial transaction computer through the at least one network.

22. The apparatus according to claim 18 wherein the at least one input device on the machine is operative to receive a network delivery address, and further comprising:

at least one network in operative connection with the machine, wherein the processor is operative to cause the digital content to be delivered through the at least one network to the network delivery address, whereby a remote computer corresponding to the network delivery address is enabled to receive the digital content.

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23. The apparatus according to claim 19 and further comprising:

at least one network in operative connection with the machine; and

5 at least one remote computer in operative connection with the network, wherein
the at least one remote computer includes at least one remote content data store.

24. The apparatus according to claim 23, wherein the machine is operative to
selectively deliver digital content from either the local content data store or the remote content
data store responsive to at least one input to the at least one input device.

25. The apparatus according to claim 23 wherein the processor is operative to cause
digital content in the remote content data store to be stored in the local content data store.

26. The apparatus according to claim 25 wherein the processor is operative on a
periodic basis to cause selected digital content in the remote content data store to be stored in the
local data store.

27. The apparatus according to claim 26 wherein the selected digital content
comprises at least one sound file corresponding to at least one currently popular song.

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166

28. The apparatus according to claim 26 wherein the selected digital content comprises at least one sound file corresponding to at least one currently popular book.

29. The apparatus according to claim 26 wherein the selected digital content
5 comprises at least one audiovisual file corresponding to at least one currently popular movie.

30. The apparatus according to claim 27 wherein the selected digital content includes at least one graphic image corresponding to the at least one song.

31. The apparatus according to claim 13 and further comprising:

at least one network in operative connection with the machine,

at least one financial transaction computer in operative connection with the network, wherein the processor is operative to cause the account to be charged responsive to communication through the at least one network with the at least one financial transaction computer.

32. The apparatus according to claim 31 wherein the at least one financial transaction
20 computer includes a source account associated with a source of the digital content, and wherein the source account is credited responsive to delivery of the digital content.

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33. The apparatus according to claim 31 wherein the at least one financial transaction computer includes a licensing account associated with a licensing entity for the digital content, and wherein the licensing account is credited responsive to the delivery of the digital content.

34. The apparatus according to claim 31 wherein the account is associated with a user of the machine, and wherein the at least one financial transaction computer includes the account, and wherein the account is debited responsive to either delivery of cash or delivery of digital content.

35. The apparatus according to claim 31 wherein the at least one financial transaction computer holds a content prepay account for delivery of digital content, and wherein the processor is operative responsive to at least one input to at least one input device to cause funds to be transferred from the account to the content prepay account, and wherein the processor is operative to cause the content prepay account to be debited responsive to the delivery of the digital content.

36. The apparatus according to claim 31 wherein the output device includes a reproduction device operative to reproduce the digital content on a portable storage medium.

37. The apparatus according to claim 36 wherein the reproduction device is operative to cause the digital content to be reproduced in a portable computing device releasibly operatively connectable with the machine.

168

38. The apparatus according to claim 37 wherein the digital content is reproduced in the portable computing device such that it can only be played in the portable computing device.

39. The apparatus according to claim 37 wherein the digital content is reproduced in the portable computing device such that it cannot be further transferred in digital form from the portable computing device.

40. The apparatus according to claim 37 wherein the digital content is reproduced in the portable computing device such that it can only be played a limited number of times.

41. The apparatus according to claim 37 wherein the digital content is reproduced in the portable computing device such that it can only be played during a limited time period.

42. The apparatus according to claim 36 wherein the machine includes a supply of portable media, and the reproduction device is operative to reproduce the digital content on the portable storage media from the supply.

43. The apparatus according to claim 8 wherein the digital content is reproduced in the portable computing device such that reproduction of the digital content is restricted.

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169

44. The apparatus according to claim 7 wherein the machine further comprises a supply of portable storage media, and wherein the digital content is delivered by being reproduced on portable storage media from the supply.

5 45. The apparatus according to claim 31 wherein the at least one output device includes a sound system, and wherein the digital content is delivered through audio outputs through the sound system.

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46. The apparatus according to claim 7 wherein the at least one output device includes a sound system, and wherein the digital content is delivered through audio outputs through the sound system.

47. The apparatus according to claim according to claim 31 wherein the at least one output device includes an audiovisual output device, and wherein the digital content is delivered as audiovisual outputs through the audiovisual output device.

48. The apparatus according to claim according to claim 7 wherein the at least one output device includes an audiovisual output device, and wherein the digital content is delivered as audiovisual outputs through the audiovisual output device.

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49. The apparatus according to claim 46 wherein the machine is located in an establishment, and wherein the account charged for the delivered digital content is an account of an operator of the establishment.

50. The apparatus according to claim 48 wherein the machine is located in an establishment, and wherein the account charged for the delivered digital content is an account of an operator of the establishment.

51. The apparatus according to claim 7 wherein the automated transaction machine further comprises:

a currency acceptor, wherein the machine is further operative to deliver digital content responsive to deposit of cash into the currency acceptor.

52. The apparatus according to claim 47 wherein the automated transaction machine further comprises:

a currency acceptor, wherein the machine is further operative to deliver digital content responsive to deposit of cash into the currency acceptor.

53. A method comprising:

- (a) providing at least one account identifying input to the at least one input device of the automated transaction machine of claim 7;
- (b) providing at least one dispense input to the at least one input device of the machine;
- (c) dispensing either cash from the machine or digital content responsive to the at least one dispense input.

54. The method according to claim 53 and further comprising:

- (d) charging an amount for the dispense of cash or digital content, to an account associated with the at least one account identifying input.

55. The method according to claim 54 wherein step (a) comprises reading the account identifying indicia from a card with a card reader on the machine, and wherein step (d) comprises communicating with a financial transaction computer remotely located from the machine.

56. The method according to claim 53 wherein step (c) includes recording the dispensed digital content with a portable computing device.

172

57. The method according to claim 56 wherein step (c) includes placing the portable computing device in releasible operative connection with an output device on the machine.

58. The method according to claim 56 wherein in step (c) the recording is conducted such that reproduction from the portable computing device is restricted.

59. The method according to claim 53 wherein the digital content comprises a sound file.

60. The method according to claim 59 wherein the digital content comprises a music file.

61. The method according to claim 53 wherein the digital content comprises an audiovisual file.

62. The method according to claim 53 wherein in step (c) the dispense of digital content comprises sending the digital content through at least one network to a network delivery address.

63. The method according to claim 53 and further comprising:

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- (d) crediting a source account associated with a source of the digital content responsive to the dispense of digital content in step (c).

64. The method according to claim 53 and further comprising:

- (d) crediting a licensing account associated with a licensing entity of the digital content responsive to the dispense of digital content in step (c).

65. The method according to claim 53 and further comprising:

- (d) debiting an amount from an account associated with the account identifying input; and
- (e) crediting the amount to a prepay account;
- (f) debiting the prepay account responsive to the dispense of digital content in step (c).

66. The method according to claim 53 wherein in step (c) the dispense of digital content includes delivering sounds through a sound system.

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67. The method according to claim 53 wherein in step (c) the dispensing of digital content includes delivering audiovisual material through an audiovisual system.

68. The method according to claim 66 wherein the machine is located in an establishment, and further comprising:

(d) charging an account associated with the establishment responsive to the dispense of digital content.

69. The method according to claim 53 and further comprising:

reproducing in a local content data store in the machine, digital content from at least one remote content data store accessed through at least one network by the machine.

70. The method according to claim 69 wherein in step (c) the digital content is delivered from the local content data store.

71. The method according to claim 69 wherein in step (c) the digital content is delivered from either the local content data store or the remote content data store.

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175

72. The method according to claim 53 wherein in step (a) the account identifying input comprises a biometric input from a user of the machine.

73. The method according to claim 53 wherein step (c) comprises reproducing the digital content on portable media.

74. The method according to claim 74 wherein in step (c) the portable media is from a supply of portable media in the machine.

75. The method according to claim 53 wherein in step (c) the portable media is supplied by a user of the machine.

76. The method according to claim 53 and further comprising:

(d) receiving currency with a currency acceptor on the machine; and

(e) dispensing digital content responsive to the receipt of currency in step (d).

77. Computer readable media operative to cause at least one processor in the automated transaction machine to carry out step (c) recited in claim 53, responsive to performance of steps (a) and (b).

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ABSTRACT

An automated teller machine (ATM) (10) includes an input device (16) a card reader (20), a cash dispenser (24), and an output device (18). The ATM is operative to read account information from a card with the card reader and validate a user PIN input through the input device. The ATM is also operative to dispense cash with the cash dispenser and dispense digital content with the output device responsive to user input selections. The ATM is further operative to charge a user fee to an account associated with the card for the dispense of cash and digital content. Digital content dispensed by the ATM may include sound recordings such as MP3 files, video files, books, and other digital data. To dispense sound files the output device may include a sound system that is operative to output audio that corresponds to the dispensed sound recording files. The sound files may be acquired by the ATM from a digital information source on the Internet or other network. Licensing fees associated with the dispense of the digital files may be transferred to a source or licensing entity associated with the digital content.

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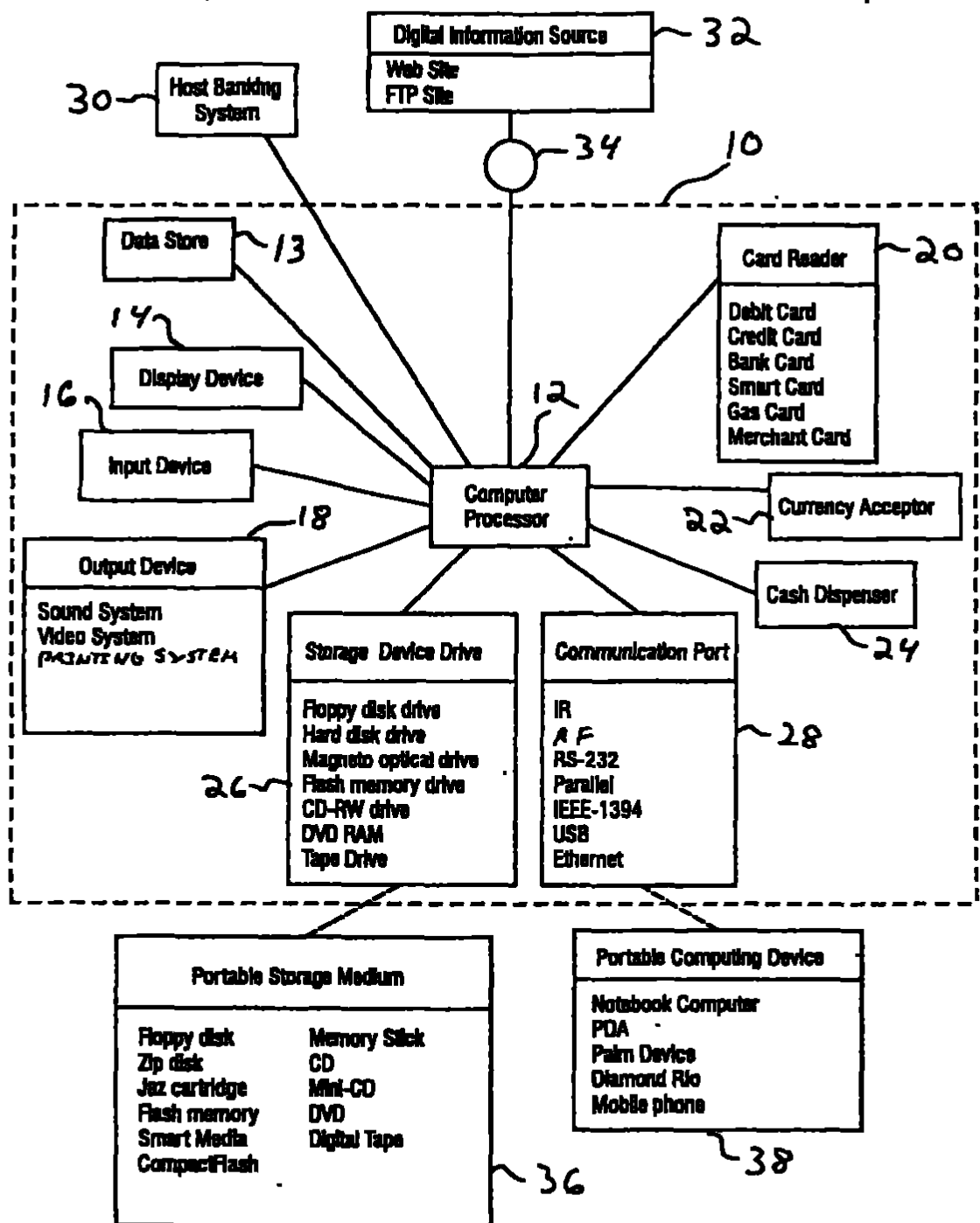


FIG. 1

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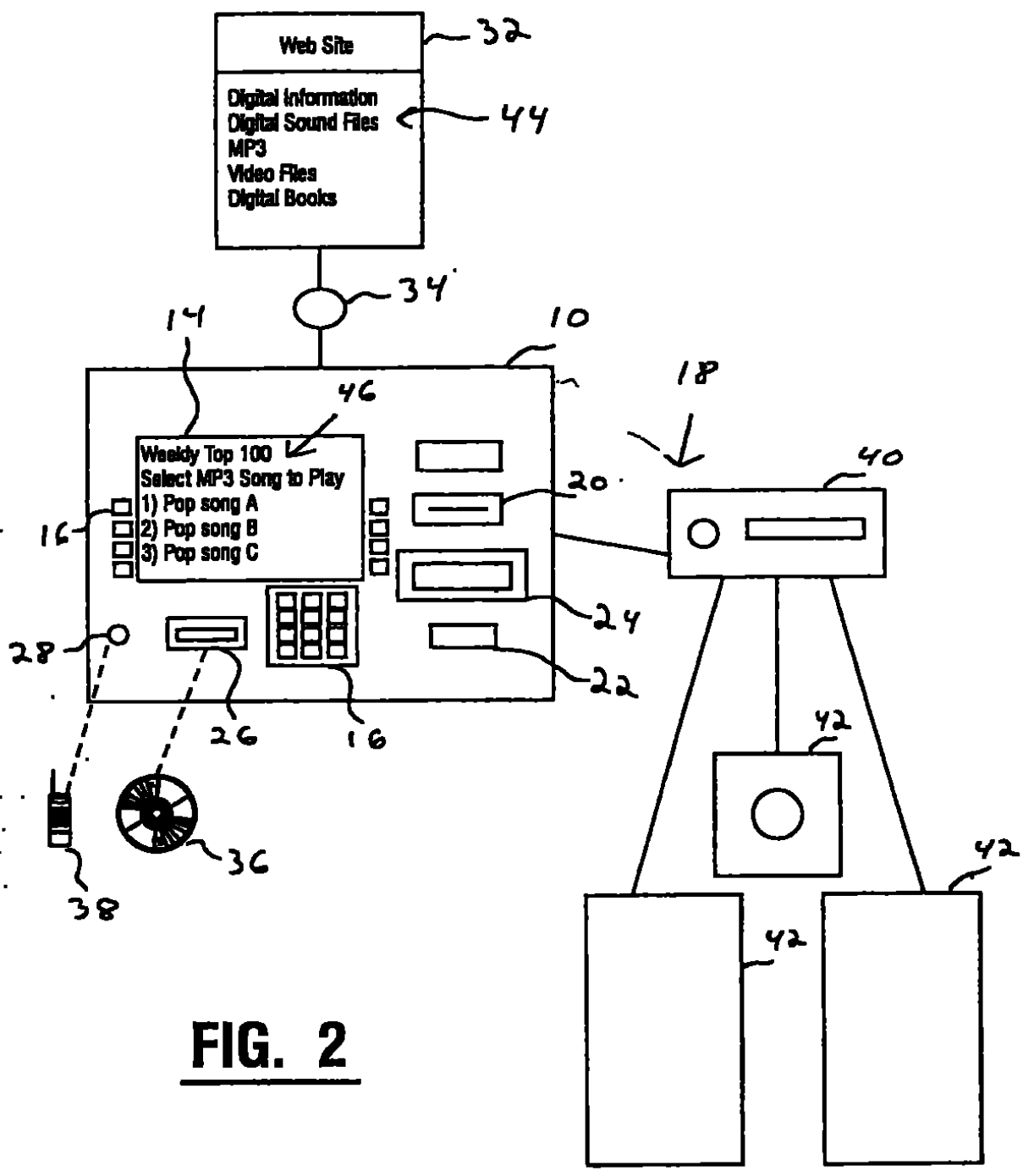


FIG. 2

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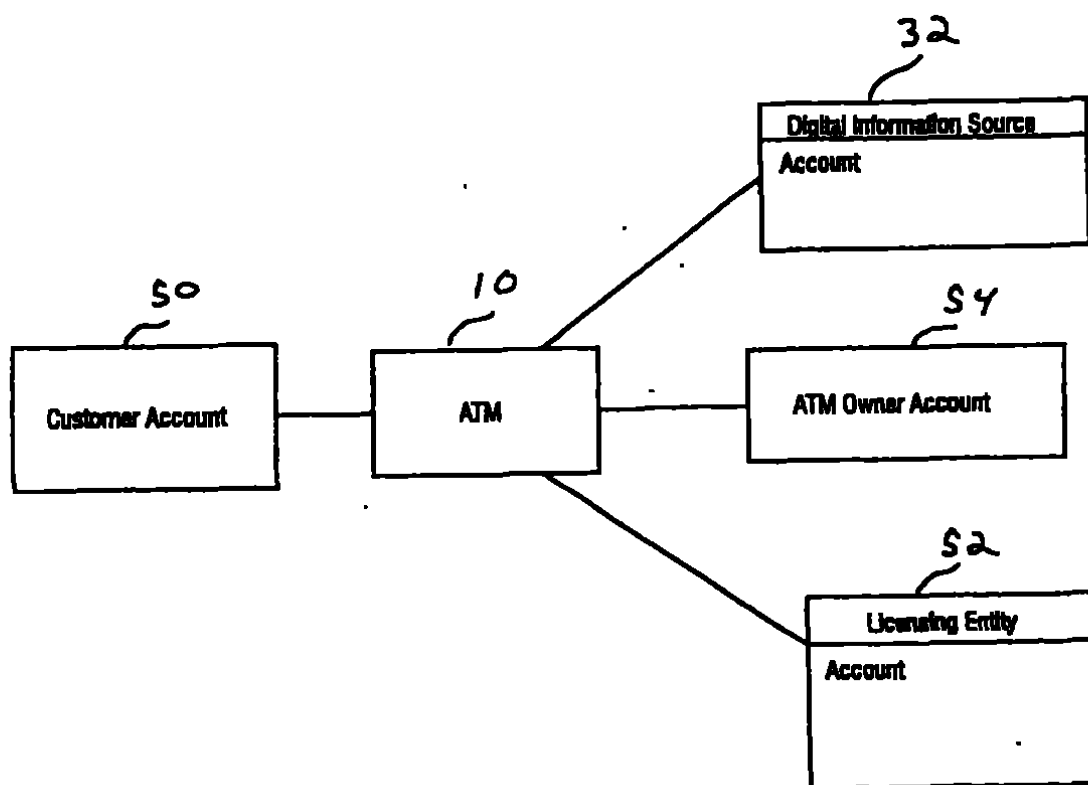


FIG. 3

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LOS ESTADOS UNIDOS DE AMERICA

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DEPARTAMENTO DE COMERCIO DE LOS ESTADOS UNIDOS

Oficina de Patentes y Marcas de los Estados Unidos

Enero 26, 2001

ESTO ES PARA CERTIFICAR QUE LO ANEXADO A LA PRESENTE ES UNA FIEL COPIA DE LOS EXPEDIENTES DE LA OFICINA DE PATENTES Y MARCAS DE LOS ESTADOS UNIDOS DE AQUELLOS DOCUMENTOS DE LA SOLICITUD DE PATENTE IDENTIFICADA A CONTINUACION QUE REUNIERON LOS REQUERIMIENTOS PARA QUE SE LE CONCEDA UNA FECHA DE PRESENTACION BAJO 35 USC (Código de los Estados Unidos) 111.

NO. DE SOLICITUD: 60/180,490

FECHA DE PRESENTACION: 5 de Febrero de 2000

SELLO DE LA
OFICINA DE MARCAS Y PATENTES
DE LOS ESTADOS UNIDOS DE

Por la Autoridad del
COMISIONADO DE PATENTES Y MARCAS

[firma ilegible]

H. PHILLIPS
Oficial de Certificación

REIVINDICACIONES

1. Un aparato de cajero automático que comprende:

Al menos un procesador;

Al menos un depósito de datos en conexión operativa con el procesador, en donde el procesador es operativo para hacer que una pluralidad de archivos de información digital sean recuperados desde al menos una fuente de información digital localizada remotamente de la máquina y guardada en el depósito de datos;

Al menos un dispositivo de entrada en conexión operativa con el procesador,

Un dispositivo dispensador de efectivo en conexión operativa con el procesador, en donde el procesador es operativo para hacer que el dispensador de efectivo dispense divisas en respuesta a al menos una primera entrada a través de al menos un dispositivo de entrada; y

Al menos un dispositivo de salida en conexión operativa con el procesador, en donde el procesador es operativo para

182
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producir la dispensación de al menos uno de los archivos de información digital a través de al menos un dispositivo de salida en respuesta a al menos una segunda entrada a través de al menos un dispositivo de entrada que corresponde a al menos un archivo de información digital.

2. Un aparato de cajero automático según la reivindicación 1 en donde al menos un dispositivo de entrada que comprende un dispositivo lector de tarjetas en conexión operativa con el procesador, en donde el dispositivo lector de tarjetas es operativo para leer indicios de cuenta desde una tarjeta, y en donde el procesador es operativo para hacer que las comisiones sean cargadas a la cuenta que corresponde a la dispensación de divisas y a la dispensación de al menos un archivo de información digital.

97

3. Un aparato de cajero automático según la reivindicación 1, en donde al menos un archivo de información digital incluye un archivo de grabación de sonido digital.

4. Un aparato de cajero automático según la reivindicación 3, en donde al menos un archivo de

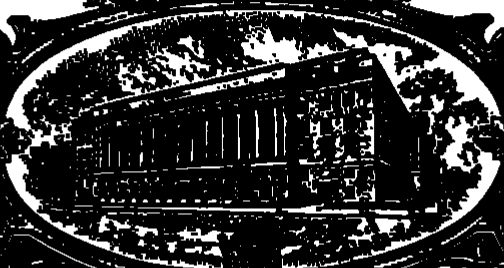
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información digital incluye un archivo MP3.

5. Un aparato de cajero automático según la reivindicación 3, en donde al menos un dispositivo de salida incluye un sistema de sonido, y en donde el procesador es operativo para producir la salida de sonido a través del sistema de sonido en respuesta a al menos un archivo de información digital.

6. Un aparato de cajero automático según la reivindicación 1, en donde procesador es operativo para hacer que una tarifa de asociamiento con al menos un archivo de información digital, en donde el procesador es operativo para transferir una valor de cantidad a una entidad autorizada, en donde la cantidad del valor corresponde a la autorizada.

PA 334689



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

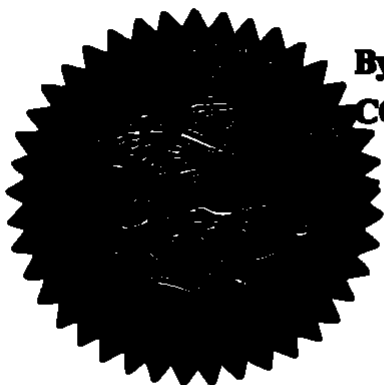
United States Patent and Trademark Office

January 26, 2001

THIS IS TO CERTIFY THAT ANNEXED HERETO IS A TRUE COPY FROM THE RECORDS OF THE UNITED STATES PATENT AND TRADEMARK OFFICE OF THOSE PAPERS OF THE BELOW IDENTIFIED PATENT APPLICATION THAT MET THE REQUIREMENTS TO BE GRANTED A FILING DATE UNDER 35 USC 111.

APPLICATION NUMBER: 60/180,490

FILING DATE: February 05, 2000



**By Authority of the
COMMISSIONER OF PATENTS AND TRADEMARKS**

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H. PHILLIPS
Certifying Officer

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This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 CFR 1.53 (c).

INVENTOR(S)					
Given Name (first and middle (if any))	Family Name or Surname	Residence (City and either State or Foreign Country)			
DALE	BLACKSON	CANTON, OH			
☐ Additional inventors are being named on the _____ separately numbered sheets attached hereto					
TITLE OF THE INVENTION (280 characters max)					
SYSTEM AND METHOD FOR DISPENSING DIGITAL INFORMATION FROM AN AUTOMATED TRANSACTION MACHINE					
Direct all correspondence to: CORRESPONDENCE ADDRESS					
☐ Customer Number				Place Customer Number Bar Code Label here	
OR					
☒ Firm or Individual Name		Ralph E. Jocke, Walker & Jocke			
Address					
Address		231 South Broadway			
City	Medina	State	OH	ZIP	44256
Country	US	Telephone	(330) 721-0000	Fax	(330) 722-6446
ENCLOSED APPLICATION PARTS (check all that apply)					
☒	Specification Number of Pages	21	☐	Small Entity Statement	
☒	Drawing(s) Number of Sheets	3	☒	Other (specify) Abstract/Claims	
METHOD OF PAYMENT OF FILING FEES FOR THIS PROVISIONAL APPLICATION FOR PATENT (check one)					
☐ A check or money order is enclosed to cover the filing fees				FILING FEE AMOUNT (\$)	
☒ The Commissioner is hereby authorized to charge filing fees or credit any overpayment to Deposit Account Number: 09-0428				150	
The invention was made by an agency of the United States Government or under a contract with an agency of the United States Government.					
☒ No.					
☐ Yes, the name of the U.S. Government agency and the Government contract number are: _____					

Respectfully submitted,

Date

SIGNATURE _____

TYPED or PRINTED NAME Ralph E. JockeTELEPHONE (330) 721-0000

REGISTRATION NO.

(if appropriate)

Docket Number:

31,029

D-1132 P

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Blackson, Dale;

For: SYSTEM AND METHOD FOR DISPENSING DIGITAL INFORMATION FROM AN
AUTOMATED TRANSACTION MACHINE

Box Provisional Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

COVER SHEET FOR FILING PROVISIONAL APPLICATION
(37 C.F.R. § 1.51(c)(1))

This is a request for filing a PROVISIONAL APPLICATION FOR PATENT under 37 C.F.R.
1.51(c)(1)(i).

1. The following comprises the information required by 37 C.F.R. § 1.51(c)(1):

CERTIFICATION UNDER 37 C.F.R. 1.10*

(Express Mail label number is mandatory.)
(Express Mail certification is optional.)

I hereby certify that this correspondence and the documents referred to as attached therein are being deposited with the United States Postal Service on Aug 5, 2000 (date), in an envelope as "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 C.F.R. 1.10 Mailing Label Number EL451104924US addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Ralph E. Jocke

(type or print name of person mailing paper)

[Signature]
Signature of person mailing paper

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"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will not be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

- 158
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2. The names of the inventors are (37 C.F.R. § 1.51(c)(1)(ii)):

Dale Blackson

3. Residence addresses of the inventors, as numbered above (37 C.F.R. § 1.51(c)(1)(iii)):

5056 Paddington Down Street, Canton, OH 44718 US

4. The title of the invention is (37 C.F.R. § 1.51(c)(1)(iv)):

SYSTEM AND METHOD FOR DISPENSING DIGITAL INFORMATION FROM AN
AUTOMATED TRANSACTION MACHINE

5. The name, registration, customer and telephone numbers of the practitioner are (37 C.F.R. § 1.51(c)(1)(v)):

Name of practitioner: Ralph E. Jocke

Reg. No. 31029

Tel. No. (330) 721-0000

6. The docket number used to identify this application is (37 C.F.R. § 1.51(c)(1)(vi)):

Docket No. D-1132 P

7. The correspondence address for this application is (37 C.F.R. § 1.51(c)(1)(vii)):

Ralph E. Jocke
231 South Broadway

Medina, OH 44256 US

8. Statement as to whether invention was made by an agency of the U.S. Government or under contract with an agency of the U.S. Government. (37 C.F.R. § 1.51(c)(1)(viii)).

This invention was NOT made by an agency of the United States Government, or under contract with an agency of the United States Government.

189
138

9. Identification of documents accompanying this cover sheet:

A. Documents required by 37 C.F.R. §§ 1.51(c)(2)-(3):

Specification: No. of pages 21
Drawings: No. of sheets 3

B. Additional documents:

Claims: No. of claims 6
Abstract

10. Fee

The filing fee for this provisional application, as set in 37 C.F.R. § 1.16(k), is \$150.00, for other than a small entity, and \$75.00, for a small entity.

Applicant is not a small entity.

11. Fee payment

Fee payment in the amount of \$150.00 is being made at this time.

12. Method of fee payment

Charge Account No. 09-0428, in the amount of \$150.00.

A duplicate of this Cover Sheet is attached.

Please charge Account No. 09-0428 for any fee deficiency.

Date:



Signature of practitioner

Reg. No.: 31029

Ralph E. Jocke

Tel No.: (330) 721-0000

231 South Broadway

Medina, OH 44256 US

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APPLICATION FOR UNITED STATES LETTERS PATENT

Title: SYSTEM AND METHOD FOR
DISPENSING DIGITAL
INFORMATION FROM AN
AUTOMATED TRANSACTION
MACHINE
Inventors: DALE BLACKSON
Docket No.: D-1132P

190

TECHNICAL FIELD

This invention relates to the dispensing of digital information from an automated transaction machine. Specifically this invention relates to a new system and method for downloading, and dispensing digital information such as sound recording files from an automated transaction machine.

BACKGROUND ART

Automated transaction machines are known in the prior art. A common type of automated transaction machine is an automated teller machine (ATM). ATMs are typically operative to perform banking transactions such as dispensing cash, transferring value between banking accounts, or accepting deposits. Many ATMs are located in retail or service facilities such as stores, gas stations, restaurants and bars. The owners of these facilities often generate income from the ATMs through service fees on transactions performed with the ATM. For example if a user withdraws an amount of cash from the ATM, the user may be charged a small transaction fee.

If the ATM has only marginal use, the income generated may not be sufficient to justify the expense of maintaining the ATM. For example maintenance and service costs may consume a large portion of the monthly income generated by an ATM which has low transaction volumes. Consequently to enable ATMs to generate additional income there exists a need for an ATM to perform additional income producing activities that do not significantly increase the expense of maintaining the ATM.

142
191

Methods for the digital recording of sound are also known in the prior art. Such digital recordings are typically distributed on compact disks (CD) for playback on a CD player. As sound systems have become a standard feature of any new personal computers, digital sound recordings are also being distributed as computer files. Common formats for sound computer files include WAV (Waveform Audio File Format) and MP3 (MPBG-1 Audio Layer-3). To play such files, computer systems can employ a sound file player application such as the Windows Media Player. Sound file player applications read the digital sound files and output corresponding music through the sound card and speakers of the computer system.

Digital sound recordings may also be copied directly from an audio CD through a process called "ripping". Essentially ripping refers to the reading of the digital information that represents audio on the CD and saving the information in a computer readable sound file. Different formats of sound files have different characteristics. For example WAV files are typically uncompressed digital versions of sampled sound. MP3 files are typically created by compressing a sound sequence into a very small file (about one-twelfth the size of a corresponding WAV file). However, MP3 files are "lossy" meaning that the compression algorithms remove digital information that most people cannot hear or cannot distinguish from other sounds. If a high sampling rate is used to generate the MP3 files, the sound quality is only slightly inferior to that of the original audio file. However the advantage of the smaller size of the MP3 files is significant. These advantages include the ability to store more hours of sound recordings per amount of space in physical storage mediums such as, for example, hard disks, RAM, and flash memory cards. Also the smaller size of MP3 files enables them to be downloaded much faster through a network such as the Internet.

143
192

Numerous web sites on the Internet offer digital sound files such as MP3 files for downloading to a personal computer. Also as a result of the popularity of digital sound files, portable computer systems have been developed such as the Diamond RIO which are specifically designed to load and play sound recording files.

5 Unfortunately, the technology associated with creating MP3 files from a CD and downloading MP3 files from web sites has resulted in a significant amount of music piracy and lost revenues for artists and music recording companies. Anyone with a home PC can generate an unlimited number of copies of digital sound files. By placing such pirated files on an Internet web site, unlimited distribution of pirated sound files is possible.

To deter copyright infringement and unrestricted piracy of digital sound recordings, the music industry is promoting an alternative file format for storing digital recordings called SDMI (Secure Digital Music Initiative). The SDMI specification for sound files offers similar compression characteristics as the MP3 file format; however, SDMI is designed to have built in copyright protection features which limit the playback and duplication of the files. In addition Microsoft has developed an alternative specification for compressing and copyright protecting sound files called Windows Media.

Because MP3 files are already wildly accepted as the de facto standard, it may be very difficult for new file formats to replace MP3. The popularity of MP3 files coupled with unlimited sound file piracy may significantly decrease the revenue that recording labels and
20 artists generate from the sale of music and other forms of audio. Consequently, there exists a need for a system of distributing MP3 files that enables the copyright holder to receive licensing fees for each distribution of an MP3 file.

194
193

Distribution of sound recordings from the Internet makes it much easier for an individual artist to reach a mass audience for their work without a recording label. As a result the variety of music that is available over the Internet is exploding. Many of the titles can be downloaded without a fee. Unfortunately much of the music that has no fee is low quality, amateurish, and not very desirable. If the artist is relatively unknown, it is very difficult to get users to download music for a fee. This is because most individuals are hesitant to pay for downloaded MP3 files before being familiar with the artist.

If the music is given away on a no-fee basis or even a low-fee preview basis, it is virtually impossible to generate any income from the music. Once the MP3 version of the music is downloaded, the MP3 file can be played, copied, and distributed an unlimited number of times without generating income for the artist. Consequently there exists a need for a system that enables individuals to test out songs for a small fee, but does not enable the users to copy or distribute the sound files.

To take advantage of the benefits of playing sound recording files rather than CDs or cassettes, a user must have a PC. Although the cost of a personal computer has dramatically decreased over the last two decades, computers are still significantly more expensive than a CD player. Portable sound file players such as the Diamond RIO are operative to play music independently from a PC; however they still must be connected to a PC at some point to upload a new set of MP3 files. Consequently there exists a need for a new system of distributing sound files that does not require the user to have a computer.

145
194

DISCLOSURE OF INVENTION

It is an object of the present invention to provide an automated transaction machine that is operative to dispense digital information.

It is a further object of the present invention to provide an automated transaction machine
5 that is operative to dispense digital information to a portable storage medium.

It is a further object of the present invention to provide an automated transaction machine that is operative to dispense digital information to a portable computing system.

It is a further object of the present invention to provide an automated transaction machine that is operative to dispense digital information in exchange for a user fee.

It is a further object of the present invention to provide an automated transaction machine that is operative to output digital information to an output device in exchange for a user fee.

It is a further object of the present invention to provide an automated transaction machine that is operative to distribute user fee income generated from the dispense of digital information among a plurality of entities.

It is a further object of the present invention to provide an automated transaction machine that is operative to download digital information from a digital information source located on a network.

It is a further object of the present invention to provide an automated transaction machine that is operative to dispense digital sound recordings.

20 It is a further object of the present invention to provide an automated transaction machine that is operative to play digital sound recordings through a sound system.

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It is a further object of the present invention to provide an automated transaction machine that is operative to dispense digital sound recordings onto a portable storage medium.

It is a further object of the present invention to provide an automated transaction machine that is operative to dispense digital sound recordings to a portable digital sound file player.

5 It is a further object of the present invention to provide an automated transaction machine that is operative to charge an account of a user in exchange for the playing of digital sound recordings.

It is a further object of the present invention to provide an automated transaction machine that is operative to provide a selection of digital sound recordings to play when the user performs a banking transaction.

It is a further object of the present invention to provide an automated transaction machine that is operative to offer a selection of digital sound recordings to play that are downloaded from the Internet.

Further objects of the present invention will be made apparent in the following Best Modes for Carrying Out Invention and the appended claims.

The foregoing objects are accomplished in one exemplary embodiment of the invention by an automated transaction machine that is operative to dispense digital information. In the exemplary embodiment the digital information includes digital sound recording files that may be output through an output device such as a sound system in operative connection with an ATM.

20 However in alternative embodiments, the digital information may include any type of information that may be digitally stored and transported over a network. Other examples of

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196

digital information include digital representations of images, books, software, audio visual works, movies, TV-shows, magazines, newspapers, games, compilations, and databases.

5 The ATM is in operative connection with storage read/write devices such as a floppy disk drive, smart card drive, flash memory drive, or any other device that is operative to read and write information to a portable storage medium. In the exemplary embodiment the ATM is operative to save digital information such as digital sound recording files to the portable medium.

Alternative embodiments of the ATM may include a portable computing device communication port that is operative to communicate with a portable computing device. When a portable computing device, such as a laptop computer, hand-held computer, or sound file player is placed in operative connection with the communication port, the ATM is operative to send digital information such as digital sound recording files to the portable computing device. Examples of communication ports that are operative for use with the present invention include a Universal Serial Bus (USB) port, parallel port, RS-232 Serial Port, Infrared (IR) Port, Radio Frequency (RF) port, or any other type of physical or wireless communication port.

20 The ATM is operatively programmed to accept a fee from a user in exchange for outputting either digital information or saving digital information to a portable storage medium or portable computing device. For ATMs that include a card reader and are in operative connection with a host banking system, the ATM is operative to charge the fee to an account associated with a credit card, debit card, or smart card for example. For ATMs that include a currency accepting device, the ATM is operative to accept currency in exchange for outputting or saving digital information.

148
197

In the exemplary embodiment of the present invention, the ATM is in operative connection with a private network or public network such as the Internet. The ATM is programmed to enable a user of the ATM to view and select digital information that is downloaded across the network. For example the ATM is operative to display visual outputs corresponding to a plurality of sound recording files such as MP3 files, that can be executed to reproduce individual musical performances such as songs. The ATM is further operative to download one or more of these sound files in exchange for a fee and to either play the song through a sound system or send the song to a portable storage medium or computing device.

In an alternative form of the present invention, the ATM may be operative to periodically download a selection of digital information in response to programmed instructions to acquire one or more categories of digital information. By pre-downloading digital information, the ATM does not need to be continually connected to a source of digital information. Also any delay caused by having to download individually selected information files across a network is eliminated because the files are stored locally in the ATM.

For example when the digital information corresponds to sound recording files, the ATM may be operative to periodically download sound files that correspond to the most popular songs for the week or other time period. In another example if the digital information corresponds to digital books, the ATM is operative to periodically download digital books that correspond to a fiction or nonfiction best seller list or ranking. In another example if the digital information corresponds to broadcast TV shows, the ATM is operative to periodically download digital files that correspond to the TV shows that were broadcast over a certain time period.

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In the exemplary embodiment of the present invention, the ATM may be operative to distribute the user fee for the dispense of digital information among a plurality of entities, including the owner of the ATM, the source of the digital information, and/or a licensing organization. This distribution may be performed for each user transaction or may be performed on a periodic basis. When the distribution is performed periodically, the ATM is operative to calculate an amount of value that corresponds to licensing fees for digital information that is downloaded or dispensed by the ATM for a time period. An amount of value equal to this calculated amount may then be transferred from an account associated with the ATM to the source of the digital information or a licensing organization.

When the digital information includes copyright protection features, the ATM may be further operative to activate the copyright protection feature responsive to the type of license being purchased by the user. For example, if the ATM dispenses SDMI or Windows Media sound recording files, the ATM is operative to configure the files to limit where and how long the sound files can be played as well as whether duplication is allowed.

BRIEF DESCRIPTION OF DRAWINGS

Figure 1 is a schematic view representative of an exemplary embodiment of an automated transaction system of the present invention that is operative to dispense digital information.

Figure 2 is a schematic view representative of an exemplary embodiment of an automated transaction system of the present invention that is operative to dispense digital sound recordings.

Figure 3 is a schematic view representative of the distribution of transaction fees from digital information dispensed by the ATM.

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BEST MODES FOR CARRYING OUT INVENTION

Referring now to the drawings and particularly to Figure 1, there is shown therein an exemplary schematic view of an ATM 10 of the present invention. The ATM 10 includes a computer processor 12 that is operatively programmed to enable the ATM to perform banking transactions such as the dispense of cash. The computer processor 12 is also operatively programmed to enable the ATM to dispense digital information. To perform these functions the ATM further includes in operative connection with the computer processor 12, a data store 13, a display device 14, an input device 16, an output device 18, a card reader 20, and a cash dispenser 24. The ATM 10 is further operative to communicate with both a host banking system 30 and at least one digital information source 32. In the exemplary embodiment of the present invention the ATM 10 is operative to download digital information from the digital information source 32 through a network 34 such as the Internet.

Alternative embodiments of the present invention may also include in operative connection with the computer processor 12, a currency acceptor 22, a storage device drive 26, and a communication port 28. The storage device drive 26 enables the computer processor to dispense digital information to a portable storage medium 36. The communication port 28 enables the computer processor to dispense digital information to a portable computing device 38.

Figure 2 shows an exemplary embodiment of the ATM 10 that is operative to dispense both cash and digital sound recordings such as music and songs. However, it is to be understood that the present invention encompasses the dispensing of any type of digital information

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including digital representations of images, books, software, audio visual works, movies, TV shows, magazines, newspapers, games, compilations and databases.

ATM 10 includes a display device 14 such as a monitor or LCD display that is operative to output user interface indicia 46. The user interface indicia may include instructional material for operating the ATM as well as listings of digital information that may be dispensed from the ATM for a fee.

The ATM 10 also includes at least one input device 16 such as a keypad and selection buttons. The input device(s) enable the user to enter operation inputs such as a personal information number (PIN) for an account, an amount of cash to withdraw, or a selection of a particular digital sound recording to dispense. Although this described embodiment includes a keypad, alternative embodiments of the present invention may use any type of input device for entering information, such as a touch screen device, a speech recognition system, or a track ball.

ATM 10 also includes a cash dispenser 24 and a card reader 20. The ATM is operative to read account information from a user's card with the card reader 20. The card may be a bank card, credit card, debit card, gas card, merchant card, smart card, or any other portable medium that is operative to store account or other information which may be used to identify a user. The ATM 10 is operative to dispense a selected amount of cash to the user from the cash dispenser 24, and to debit the account of the user through communication with a host banking system. The ATM 10 is also operative to debit a user fee from the account for dispensing digital information from the ATM as well.

In alternative embodiments of the present invention, the ATM may also include a currency accepting device 22. For users who do not wish to use an account to pay for the dispense of

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digital information, the ATM is operative to receive the user fee in the form of cash or coinage with the currency accepting device 22.

5 In these described embodiments the digital information dispensed by the ATM 10 includes digital sound recording files 44. Examples of digital sound recording files include MP3 files, WAV files, SDMI files, and Windows Media files. Typically each file corresponds to an individual music selection or song. However, sound files may correspond to any type and length of sound. Other examples of sound recording files include compilations of songs such as are found on music CDs and spoken textual material corresponding to news articles, stories, and books.

10 In the exemplary embodiment, the ATM 10 acquires sound files to dispense from at least one digital information source 32 such as a web site or FTP site on the Internet or other public or private network. The ATM 10 is operative to periodically download a plurality of sound files that match certain customizable criteria. These downloaded sound files are stored locally in a data store 13 such as a hard drive. The ATM 10 is operative to display indicia representative of these sound files with the display device 14. A user of the ATM 10 may then provide one or more inputs to select one or more of these sound files to dispense.

15 The ATM may be configured with different types of downloading criteria. For example, if the ATM is located in a dance club, the downloading criteria may be configured to have the ATM periodically download the sound files that correspond to the top 100 most popular dance songs for the month. If the ATM is located in a book store, the ATM may be configured to periodically download sound files representative of the best-selling fiction and nonfiction books for the month.

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If the data store 13 does not include the sound file that a user desires, the ATM is further operative to have the user enter information corresponding to the desired sound file such as a title or the name of an artist or group. The ATM is then operative to query the digital information source for matching sound files. A message is returned to the ATM which is operative to
5 generate a listing of matching sound files which is displayed on the display device 14 of the ATM 10. In a response to the inputs from the customer and for a fee, the ATM 10 is then operative to download one or more of the matching sound files for dispensing.

In embodiments of the invention in which a network connection such as an Internet connection is not available or is not always used, the ATM may be operative to acquire sound files from portable storage mediums such as CD. Such sound files may then be copied or ripped from the CD and saved locally to the data store 13.

The ATM may be operative to dispense digital information in a plurality of different ways depending on the type of digital information. For example the ATM described in connection with Figure 2 further includes an output device 18 that includes a sound system. The sound system 18 includes a sound signal amplifier 40 with a plurality of speakers 42. The ATM 10 is operative to output through the sound system 18, analog or digital signals that correspond to a digital sound recording file. The signal amplifier 40 is then operative to output sound through the speakers 42 that corresponds to the sound file signals. Such an ATM may then function as a
fee-based digital music player or jukebox. For restaurants, bars, and other facilities that offer
20 music, the present invention offers the ability to generate user fees for both the dispensing of cash and the dispensing of audible music.

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For other forms of digital information that is visual, such as text, images or video for example, the ATM may be operative to output such visual information either through the display device 14 of the ATM 10 or through an output device 18 that includes a video system. A video system may include one or more monitors, LCD displays, or projection TV. Further
5 embodiments of the present invention may include multiple output devices for outputting multiple forms of digital information concurrently.

If multiple sound files or other forms of digital information have been selected for output through the output device, the exemplary embodiment may be operative to sequentially output each song either in the order the digital information was selected, or in other orders, including alphabetical by title of song, artist, album, style, or in a random order.

Alternative embodiments of the present invention may also dispense digital information such as sound files, to other storage mediums. For example the ATM 10 may include a storage device drive 26 such as a CD-RW drive which is operative to accept a portable storage medium 36 such as a rewriteable CD. For a fee the ATM may be programmed to dispense the sound file by writing a copy of the sound file on a user's CD. Examples of other types of storage device drives that are operative for use with the present invention include, portable hard drive readers such as an Iomega Jaz drive, magneto optical drives such as an Iomega Zip drive, flash memory drives for writing to flash memory devices such as CompactFlash, DVD RW drives, Mini-CD drives, and digital tape drives.

20 Alternative embodiments of the present invention may dispense digital information such as sound files through a communication port 18 directly to a portable computing device. Examples of operative communication ports 18 include a Universal Serial Bus (USB) port, a

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serial RS-232 port, parallel port, an infrared (IR) port, a radio frequency (RF) port, a IEEE-1394 port, or a network port such as an Ethernet connection. When a portable computing device such as a Diamond Rio is connected to the port 18, the ATM may be operative for a fee to download MP3 sound files to the RIO MP3 player. Examples of other types of portable computing devices .
5 that may receive dispensed digital information such as sound files include a notebook computer, a personal digital assistant (PDA) and a mobile phone.

In alternative embodiments, the present invention may be operative to dispense digital information to the user through the Internet by e-mail or FTP for example. In such embodiments, the user would select the information through inputs to the ATM 10. The ATM would prompt the user for an e-mail or FTP address. The ATM would then be operative to e-mail or FTP the selected digital information to the user rather than dispensing the digital information to a portable storage medium or computing device.

Figure 3 shows a schematic view representative of accounts that are accessed by the ATM 10 for distributing user fees. Because the ATM 10 is in operative connection with a host banking system, ATM 10 is enabled to deduct a user fee from an account of the user in exchange for the dispense of digital information. The exemplary embodiment of the ATM 10 operates by reading an account number and institution number from a card inserted into the card reader 20.

Examples of cards that are operative for use with the present invention include credit cards, bank cards, debit cards, merchant cards, smart cards, or any other portable medium that can store
20 account information. The ATM 10 is operative to have a host banking system validate a user inputted PIN. If the PIN is valid, the ATM 10 is further operative to use the host banking system to debit user fees corresponding to the dispense of cash and the dispense of digital information

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from the account. Alternatively embodiments of the present invention may identify users by biometric information. The biometric data read from the user may then be used by a local or remote computer to identify the user and/or their account information.

5 The dispensing of most digital information is limited by the copyright owner. Typically the copyright owner requires a fee or royalty to copy or output the work. The amount of the fee may vary depending on how the work is used. For example if the work is a sound recording the fee to play the sound file one time in a restaurant, may be much less than the fee to dispense the sound file to a portable storage medium which may be duplicated an unlimited number of times. Consequently, the exemplary embodiment of the present invention is operative to track how digital information is dispensed and to transfer corresponding licensing fees to either a licensing entity or digital information source. Likewise the location of the particular ATM may be used to determine the fee. For example the fee to play a music file in a small restaurant may be less than in a large dance club. Similar principles may be applied to charging for audio visual files and pay per view type events.

The ATM 10 may be operative to debit a user fee from the user's account 50 for each dispense of digital information. The user fees may be transferred to a common banking account 54 of the operator of the ATM 10. Transfers of user fees may occur either immediately with each dispense, and/or occur periodically with the ATM 10 transferring multiple charges to credit cards to a settlement host for example.

20 Licensing fees for downloading digital information from a digital information source may be transferred in a similar manner. The ATM 10 is operative to transfer a licensing fee from the account 54 that corresponds to the operator of the ATM 10 to the digital information source 32.

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This transfer is performed through the host banking system and either occurs with each download or occurs periodically for a batch of downloads.

In an alternative embodiment, the ATM 10 is configured with a UserID and password for connecting to the digital information source 32. The UserID and password enables the ATM 10 to access the digital information source 32 and to download digital information. The digital information source 32 monitors all downloads that correspond to the UserID and periodically charges the account 54 that corresponds to the operator of the ATM.

Once digital information has been downloaded to the data store 13 of the ATM 10, the copyright owner of the digital information may require that a licensing fee be paid with each dispense of the digital information to a user. The ATM 10 is operative to keep records of each dispense and the type of dispense that is made. The ATM is further operative to transfer licensing fees associated with each dispense to the digital information source 32 or another licensing entity 52 through the host banking system. This transfer may be done with each dispense or periodically for a batch of dispenses.

In an alternative embodiment, the ATM 10 may be operative to transfer dispense records to the digital information source or the licensing entity through the Internet. The digital information source 32 or licensing entity 52 may then directly debit the licensing fees from the account 54 that corresponds to the operator of the ATM.

For digital information that includes copyright protection features, the ATM 10 may be further operative to configure the copyright protection features and charge a user fee that corresponds to the copyright features which are enabled. For example ATM 10 may be enabled to have the user select licensing features of the song file such as unlimited or restricted

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duplication, expiration dates, or any other feature of the sound file that affects the use of the sound file. The ATM 10 is operative to charge the user a corresponding user fee based on the features selected. The ATM is then operative to have the corresponding licensing fee paid to the source of the digital information or a licensing entity.

5 Alternative embodiments of the present invention may be used in connection with systems which include stored information concerning particular users. Such systems may be used to correlate the identity of the user with marketing or customer preference data. Such information may include particular categories of music, videos, books or other materials or products that can be provided and/or that are of interest to the particular user. The ATM may operate to automatically give the user options for selections tailored to their associated preference information. Alternatively such information may be used to automatically provide the user with digital files, visual or audio outputs or other outputs whenever the user operates on ATM connected to the system. For example when the ATM is operated as a juke box the ATM may operate to automatically output one or more of the user's favorite songs.

In certain embodiments of the invention it may not be desirable for a user to access their financial account each time a small charge for digital information is assessed to the user. In such systems the system may be configured so that the user is required to make a "minimum purchase." This amount may be a charge reasonably sufficient to offset the costs of accessing the account, for example \$10 or \$20. A record indicating a credit associated with the user or their account would then be stored in a data store. This credit information may be stored locally at the ATM or remotely in a computer which can be accessed from the ATM. The amount of value associated with credit information may then be reduced each time the user outputs digital

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files until the credit is exhausted. Such a system may be advantageously used where the fees involved in each digital file transaction are small, such as the cost of playing sound files. Such a system also provides the system operator the benefit and/or "float" on the allocated funds.

5 To further discourage or limit the unauthorized duplication of digital information that may be dispensed, the exemplary embodiment of the present invention may be operatively programmed to modify features of the digital information before it is output to a portable medium and computing device. For example with digital sound files, the ATM may embed a digital code or certificate in the sound file that is associated with the user's portable digital sound player or other personal computing device. Such a certificate may further include an encrypted digital signature that can be used to detect unauthorized alterations of the file.

The portable sound player would only be operative to play the sound file if the digital certificate corresponds to a unique code or certificate associated with the portable sound player. Also the portable sound player would only be operative to play the sound file if the digital signature indicates that the sound file is authentic. Such copyright features would limit play back of the file to the user's personal sound player. The sound file would be inoperative on another personal sound playing device that is associated with a different certificate or code.

20 In alternative embodiments the ATM may be operatively programmed to have the user register with a licensing organization prior to dispensing digital information for the first time. During the registration process the user would be associated with a unique license code that may also be used when purchasing digital information in the future. The ATM may then be operative to embed the license code in each file that is dispensed for the user. The next time the user

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wishes to purchase digital information, the ATM may then be operatively programmed to accept the input of the license code from the user.

For example the license code may be manually input with the input device 16, read from a card with the card reader device 24, or downloaded from the user's portable computing device

5 38. The ATM would then be operative to validate the license code by communicating with the licensing organization. If the license code is valid and/or is in good standing, the ATM is operative to dispense additional digital information with the embedded license code of the user. Such a unique licence code may be generated by the licensing organization, or may correspond to the previously described digital code or certificate associated with the user's computing device.

These described methods of copyright protection of the dispensed digital information may be further associated with a subscription service or club. For example during the previously described registration process the ATM may prompt the user to sign up for a digital information service that for a monthly fee enables the user to dispense a certain amount and/or type of digital information. For example the service may correspond to the dispensing of music files or digital book files. Each month the user would be entitled to dispense a certain amount of these files from the ATM for a discount club rate fee or for no additional fee per dispense transaction.

When the user first signs up for the service, the ATM may be further operative to enable the user to associate payment of the service or club fees to an account of the user for automatic debit of the monthly club dues or dispense fees from the user's account. Such automatic payment information may be acquired by reading account information from a user's credit card or banking card with the card reader device 20 of the ATM.

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The present invention may find applicability to numerous types of situations and may be used to facilitate the tracking of transactions in the entertainment, education, gaming, investment, merchandising and banking industries.

5 Thus the system and method for dispensing digital information of the present invention achieves the above stated objectives, eliminates difficulties encountered in the use of prior devices and systems, solves problems and attains the desirable results described herein.

In the foregoing description certain terms have been used for brevity, clarity and understanding, however no unnecessary limitations are to be implied therefrom because such terms are used for descriptive purposes and are intended to be broadly construed. Moreover, the descriptions and illustrations herein are by way of examples and the invention is not limited to the exact details shown and described.

In the following claims any feature described as a means for performing a function will be construed as encompassing any means known to those skilled in the art to be capable of performing the recited function, and will not be limited to the structures shown herein or mere equivalents thereof.

Having described the features, discoveries and principles of the invention, the manner in which it is constructed and operated, and the advantages and useful results attained; the new and useful structures, devices, elements, arrangements, parts, combinations, systems, equipment, operations, methods and relationships are set forth in the appended claims.

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CLAIMS

We claim:

5 1. An automated transaction machine comprising:

a computer processor;

a data store in operative connection with the computer processor, wherein the computer processor is operative to retrieve a plurality of digital information files from a digital information source and save the digital information files in the data store;

an input device in operative connection with the computer processor;

a cash dispenser device in operative connection with the computer processor, wherein the computer processor is operative to dispense an amount of currency from the cash dispenser responsive to a first input with the input device by the user; and

an output device in operative connection with the computer processor, wherein the computer processor is operative to dispense one of the digital information files with the output device responsive to a second input with the input device by the user that corresponds to the one digital information file.

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2. The automated transaction machine according to claim 1 further comprises a card reader device in operative connection with the computer processor, wherein the computer processor is operative to read account indicia from a card with the card reader device, wherein the computer processor is operative to charge one or more user fees to the card for the dispense of currency and the dispense of the one digital information file.

3. The automated transaction machine according to claim 1, wherein the digital information files include a digital sound recording file.

4. The automated transaction machine according to claim 3, wherein the digital information files include an MP3 file.

5. The automated transaction machine according to claim 3, wherein the output device includes a sound system, and wherein the computer processor is operative to output audio sound with the sound system responsive to the one digital information file.

6. The automated transaction machine according to claim 1, wherein the computer processor is operative to associate a licensing fee with the one digital information file, wherein the computer processor is operative to transfer an amount of value to a licensing entity, wherein the amount of value corresponds to the licensing fee.

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ABSTRACT

An automated teller machine (ATM) (10) includes an input device (16) a card reader (20), a cash dispenser (24), and an output device (18). The ATM is operative to read account information from a card with the card reader and validate a user PIN input through the input device. The ATM is also operative to dispense an amount of cash with the cash dispenser and dispense digital information files with the output device responsive to user input selections. The ATM is further operative to charge a user fee to an account associated with the card for both the dispense of cash and digital information. Digital information dispensed by the ATM may include sound recordings such as MP3 files, video files, books, and other digital data. To dispense sound files the output device includes a sound system that is operative to output audio that corresponds to the dispensed sound recording files. The sound files are acquired by the ATM from a digital information source on the Internet or other network. Licensing fees associated with the dispense of the sound files are transferred by the ATM to a licensing entity associated with the digital information.

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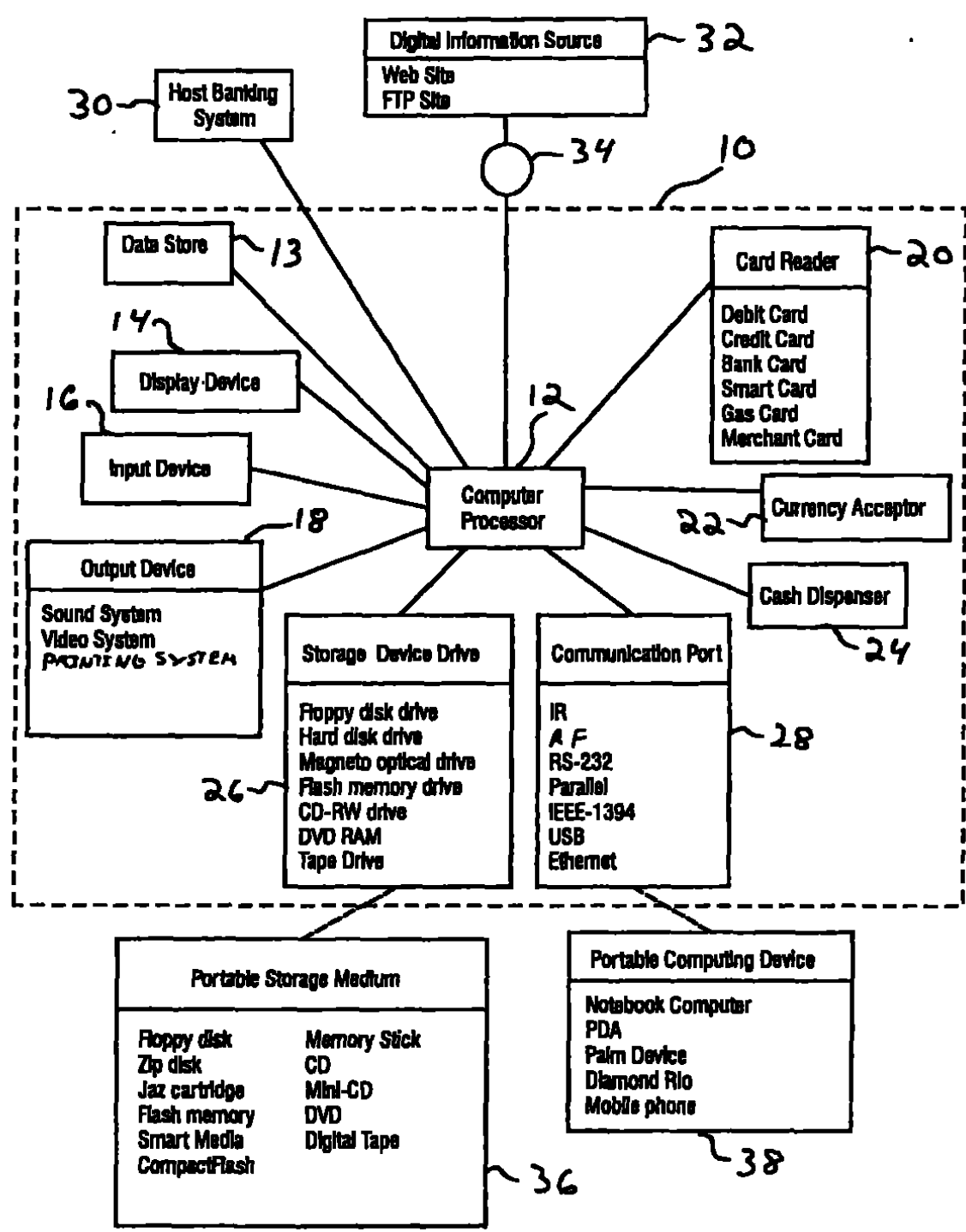


FIG. 1

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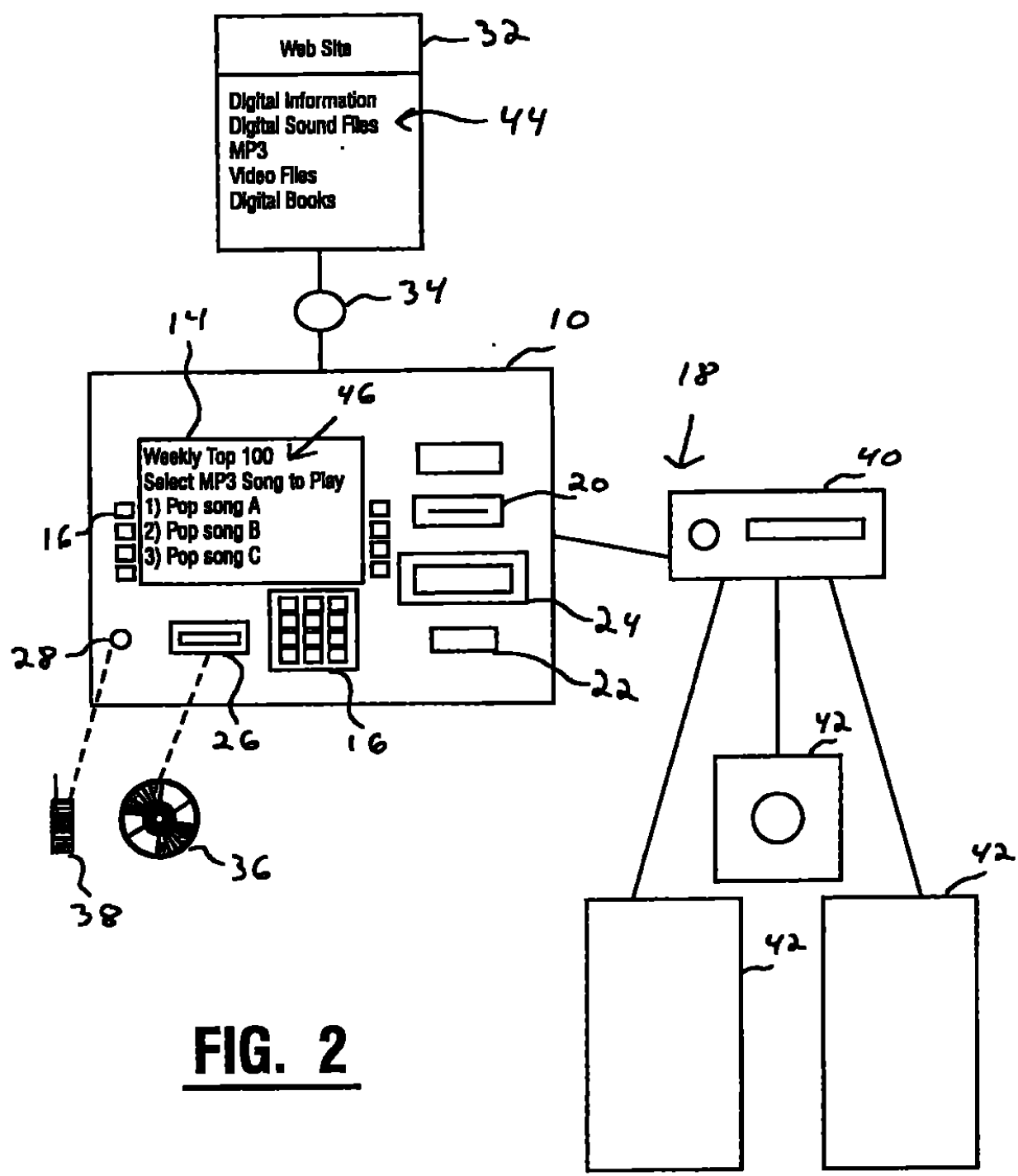


FIG. 2

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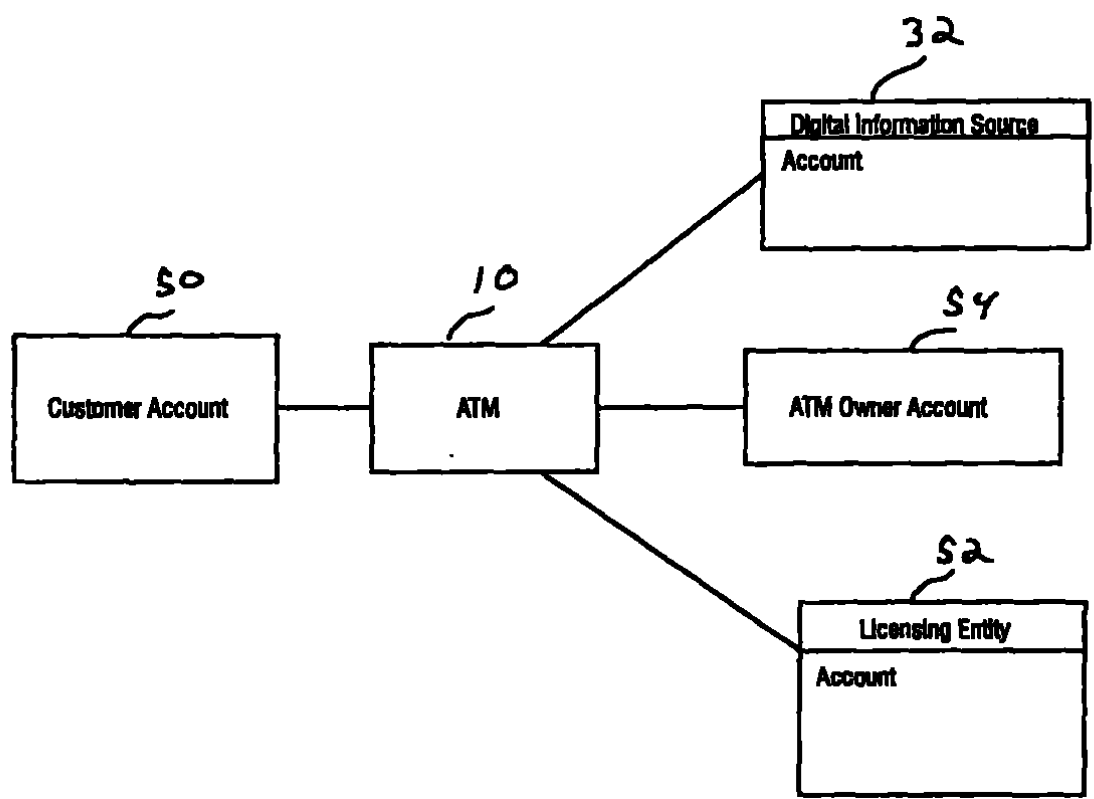


FIG. 3

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Industria y Comercio
SUPERINTENDENCIA

NIT : 800176089-2

Folios: 175

Radicación : 210000000
Fecha (C): 2001-05-05 17:00:00
Trámite : C22 PATENTES D : RESISTENCIA / 414 RESISTO
Destinatario: 2022 MINISTERIO DE HACIENDA Y CREDITO

RECIBO OFICIAL DE CAJA : 01 - 31,007
FECHA : MAYO 17 DE 2001

***** CONSIGNACION *****

DEBE A FAVOR DE	TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PAGO	Vr. PAGO
JORGE LUIS GOMEZ	CONSIGNACION	BANCO POPULAR	050-00110-6	8150752	17/05/2001	35,523,800.00

***** CONCEPTO *****

CANT.	RENTISTICO	CONCEPTO	TOTAL CONCEPTO
1	50005-01-01 SOLICITUDES	83 INVOCACION DE UNA PRIORIDAD EN SI	50,000.00
		TOTAL :	\$ 50,000.00

SON: CINCUENTA MIL PESOS

RESPONSABLE : _____

RECIBO DE CAJA APLICADO AL EXPEDIENTE No. _____

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Industria y Comercio

SUPERINTENDENCIA

NIT : 800176089-2

SUPERINTENDENCIA Y COMERCIO
Radicación : 01000049 02000022 Folios: 126
Fecha (R.D.): 2001-05-05 17:32:01
Trámite : C32 PATENTES D ! REGISTRO/ 444 REGISTRO
Dependencia: 2000 DIVISION DE NUESTROS EJERCICIOS

976

RECIBO OFICIAL DE CAJA : 01 - 31,000
FECHA : MAYO 17 DE 2001

***** CONSIGNACION *****

DEBE ANTE	TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PAGO	Vr. PAGO
JORGE LUIS GOMEZ	CONSIGNACION	BANCO POPULAR	050-00110-6	8150752	17/05/2001	35,523,800.00

***** CONCEPTO *****

CANT. RENTISTICO	CONCEPTO	TOTAL CONCEPTO
1 50005-01-01 SOLICITUDES	03 INVOCACION DE UNA PRIORIDAD EN SI	50,000.00
	TOTAL :	\$ 50,000.00

SON: CINCUENTA MIL PESOS

RESPONSABLE : _____

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2do. EXAMEN DE FORMA PATENTE DE INVENCION

Folio 221

Radicación no 01-8249

Concepto Técnico no 551

Clasificación Internacional de Patentes: G 07 F 19 / 00

Practicado el examen de acuerdo a lo establecido en el Art. 38 de la Decisión 486 se determinó que esta solicitud de Patente de Invención:

- SI [☒] NO [☐] Contiene un resumen de la invención (Art.26-e).
- SI [☒] NO [☐] Contiene el título o nombre de la invención (Art.27-d).
- SI [☒] NO [☐] Contiene la descripción de la invención (Art.26-b).
- SI [☒] NO [☐] NO ES APLICABLE [☐] Contiene los dibujos necesarios para comprender la invención (Art.26-d)
- SI [☒] NO [☐] Contiene una o más reivindicaciones. (Art.26-c).
- SI [☐] NO [☐] NO ES APLICABLE [☒] Han sido desarrollados los productos y/o procedimientos a partir de recursos genéticos o de sus productos derivados de los que cualquiera de los Países Miembros es país de origen. (Art. 26- h).
- SI [☐] NO [☐] NO ES APLICABLE [☒] Los productos y/o procedimientos han sido obtenidos o desarrollados a partir de los conocimientos tradicionales de las comunidades indígenas, afroamericanas, o locales de los países miembros, de acuerdo a lo establecido en la Decisión 391 y sus modificaciones y reglamentaciones vigentes.(Art.26-l).
- SI [☐] NO [☒] La invención se refiere a un producto relativo a un material biológico. (Art.26-J).
- SI [☒] NO [☐] La prioridad coincide con la materia reivindicada.
- SI [☒] NO [☐] **CUMPLE LOS REQUISITOS TÉCNICOS**

OBSERVACIONES Y OTROS: SI [☒] NO [☐] ver hoja(s) anexa(s).

1. Anexa documento en que consta la cesión del derecho a la patente otorgado por el inventor al solicitante, a partir del folio No. 91.
2. Anexa copias certificadas de las solicitudes estadounidenses No. 60/180,490 de Febrero 5 de 2000 y 60/250,269 de Noviembre 30 de 2000, a partir del folio No. 128.
3. Anexa comprobante de pago por invocación de prioridad en el folio No. 219.

EXAMINADOR TÉCNICO
202047

Bogotá D. C. Marzo 27 de 2003

Carrera 13 No. 27-00 Piso 5 y 10
Conmutador: 334 12 21-2-3-4
Fax: 281 31 25 e-mail: info@ic.gov.co

Folio 222

2020
Bogotá DC

Doctor
CARLOS R. OLARTE
Apoderado

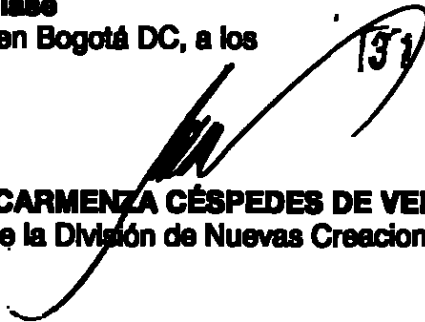
REFERENCIA:	Radicación No.	01-8249
	Trámite	002
	Evento	001
	Actuación	416
	Oficio No.	59
	Folios	001

Teniendo en cuenta que la solicitud de privilegio de patente que se tramita bajo el expediente indicado en la referencia, reúne los requisitos de forma establecidos en los artículos 26 y 27 de la Decisión 486 de la Comisión de la Comunidad Andina, y en las demás disposiciones vigentes sobre la materia, se envía el extracto de la solicitud a la Oficina de Comunicaciones para efecto de su publicación en la Gaceta de Propiedad Industrial, conforme lo establece el artículo 40 de la misma Decisión.

Cúmplase

Dado en Bogotá DC, a los

13 MAR. 2003


ALIX CARMENZA CÉSPEDES DE VERGEL
Jefe de la División de Nuevas Creaciones

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