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PROVISIONAL APPLICATION FOR PATENT COVER SHEET

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)
MARTIN RON	NEMZOW REDLICH	2915 FLAMINGO DRIVE MIAMI BEACH, FL 33140-3916

☐ *Additional inventors are being named on the ___ separately numbered sheets attached hereto*

TITLE OF THE INVENTION (280 characters max)

Information Doors and Data Doors

CORRESPONDENCE ADDRESS

Direct all correspondence to:

☐ Customer Number → *Type Customer Number here*

Place Customer Number Bar Code Label here

OR

☐ Firm *or* Individual Name	MARTIN NEMZOW + RON REDLICH				
Address	~~2915 FLAMINGO DRIVE~~ MIAMI BEACH, FL 33140-3916				
Address					
City		State		ZIP	
Country	USA	Telephone	305 864-2744	Fax	

ENCLOSED APPLICATION PARTS *(check all that apply)*

☑ Specification *Number of Pages* ____

☑ Small Entity Statement

☐ Drawing(s) *Number of Sheets* ____

☐ Other (specify) ____

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: ____

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,

SIGNATURE [signature]

TYPED or PRINTED NAME MARTIN NEMZOW

TELEPHONE 305 864-2744

Date 11/03/00

REGISTRATION NO. *(if appropriate)*

Docket Number

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is used by the public to file (and by the PTO to process) a provisional application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the complete provisional application to the PTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, D.C., 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Box Provisional Application, Assistant Commissioner for Patents, Washington, D C, 20231.

IPR2023-00971
International Business Machines Corporation v. Digital Doors, Inc.
IBM's Exhibit 1011
Ex. 1011, Page 1

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STATEMENT CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) & 1.27(c))--SMALL BUSINESS CONCERN

Docket Number (Optional)

Applicant, Patentee, or Identifier: _____
Application or Patent No.: _____
Filed or Issued: _____
Title: INFORMATION DOORS AND DATA DOORS

I hereby state that I am
☒ the owner of the small business concern identified below:
☐ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN MARTIN NEMZOW + RON REDLICH

ADDRESS OF SMALL BUSINESS CONCERN 2915 FLAMINGO DRIVE
MIAMI BEACH, FL 33140-3916

I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 409 Third Street, SW, Washington, DC 20416.

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

☑ the specification filed herewith with title as listed above.
☐ the application identified above.
☐ the patent identified above.

If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization having any rights in the invention is listed below:
☑ no such person, concern, or organization exists.
☐ each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING MARTIN NEMZOW

TITLE OF PERSON IF OTHER THAN OWNER _____

ADDRESS OF PERSON SIGNING 2915 FLAMINGO DRIVE
MIAMI BEACH, FL 33140-3916

SIGNATURE M Nemzow DATE 11/03/00

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Information Doors and Data Doors

Conception

1.Circumstances

During the process of implementing a financial turnaround consulting business, we discovered the complexity of the business model with the resulting need to define and create new systems and methods for doing business. These were neither obvious in the literature nor represented by the prior and current efforts of our competition. We are unaware of blueprints for these methods or existing business models. As a result, we built a system and codified the methods and the business processes necessary for implementation. It is in the form of this preliminary patent and uses this blueprint to structure, implement and test thesis methods.

2.Purposes and advantages of invention

The invention is a machine and process; its main purposes and advantages are as follows:

- The creation of information doors and data doors in existing data objects streams, to enable a linking to other relevant data objects streams in batch or real-time. The doors are in situ links to other data sources, replacements, access to processes and services, other resources, and standard URL links. The purposes for the linking can include in addition to other purposes:

    1. Infusion of linked digital data for enhancement of information and content.
    2. Infusion of linked digital data for updating purposes including updating financial information, currency, date, time, location, and names, et cetera.
    3. Infusion of linked digital data for communication purposes including messages and e-mail.
    4. Infusion of linked digital data for alerting.
    5. Infusion of linked digital data for triggering actions.
    6. Infusion of linked digital data for transactional purposes including payment for linked services.
    7. Infusion of linked digital data for commercial purposes including banner, interstitial, and externally linked advertisements.

- A machine and process for automatically creating the said information doors and data doors in a data object streams to enable linking to other relevant data streams.
- The selection of various prioritized data objects within object data streams, processing them to enable the creation of localized doors to other relevant data object streams.
- The selection of various prioritized data objects within object data streams, processing them to enable the creation of localized doors to relevant storage memories.
- The selection of various prioritized data objects within object data streams, processing them to enable the creation of localized doors secondary to triggering actions.
- The selection of various prioritized data objects within object data streams, processing them to enable the creation of localized doors secondary to supporting procedures.
- The selection of various prioritized data objects within object data streams, processing them to enable the creation of localized doors secondary to payment services.

Inventor: Ron Redlich (Ron Redlich) date: 11/3/00
Inventor: (Martin Nemzow) date: 11/3/00

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date: 11/3/00
date: 11/3/00

DOCKET ALARM

- The selection of various prioritized data objects within object data streams, processing them to enable the creation of localized doors secondary to in situ messaging and advertising.
- The selection of various prioritized data objects within object data streams, processing them to enable the creation of localized doors secondary to in situ language translation.
- The selection of various prioritized data objects within object data streams including digital documents, processing them in order to enable the creation of localized doors to other relevant data objects streams and data objects memories.
- The selection of various prioritized data objects within objects data streams including video, processing them in order to enable the creation of localized doors to other relevant data objects streams and data objects memories
- The selection of various prioritized data objects within object data streams including audio, processing them in order to enable the creation of localized doors to other relevant data objects streams and data objects memories.
- The creation of doors to search engines including web enabled search engines.
- The creation of doors to translations in other forms and formats of the source data object streams, such as HTML, XML, databases, and other data streams.
- The transport of data streams to other local and external data storage.
- The creation of doors to data object streams and digital documents within the same digital system, the local network, other systems, and any extended and external network infrastructure.
- The creation of doors to Internet sites, URLs, and hyperlinks.
- The creation of doors to systems updating information.
- The creation of doors to link to contact information, addresses, phone numbers, sales information, and user-defined promotional materials.
- The creation of doors to manned and automated services including various information services including news services and financial services.
- The creation of doors to manual and automated services including various informational services, involving payment or other considerations, such as presentment of advertisements.
- The creation of doors to data objects from various messaging systems.
- The creation of doors to data objects from various alerting systems and mechanisms.
- Supplemental linked information accessible through a data door might be displayed as part of or as an overlay to the source data stream.

The purposes include the following business models and technical implementations. The selection of data objects for creation of doors, can be done both manually as well as automatically. The invention enables a created doorway that creates a point of payment, permitting access to a linked data objects stream following payment or other consideration. The invention also enables the creation of doors for transporting selected data objects from a data stream and a document into a secured storage (local and external). The invention also enables the creation of doors for replacing the prioritized selected data objects with various placeholders. The invention optionally enables customization of the different links for each specific user. By incorporating the optional invention's access module, each user is identified and profiled and links relevant to this user will be presented. Optionally, users could be assigned varying levels of access. In such situations, users will have access to links of documents with a higher confidentiality level. Some users might be allowed to access links to pay for information services, while others would not.

3.Description

The innovation is a system and method for automatic selection of prioritized data objects within data object streams. After specific data objects have been identified and selected as data doors, digital placeholders are automatically (and optionally through manual methods too) inserted within the data streams. The

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placeholders serve as the links to other data streams and storage memory, secured display of information, and as messages and advertisements in their own right. The placeholders might include censorship, substitutions, URLs, addresses of files, links to data streams, addresses of directories, messages, advertisements, encrypted information, links to encrypted information, and the process to reconstitute the original data objects removed from the data streams.

The system scans, as part of the selection process, for data objects within the data streams, searching for candidates that become data doors. The scanning process takes place within data streams, within computers; within computer networks, within communication devices, personal wireless devices, as well as electronic mail systems. The selection of prioritized data objects includes words, characters, numbers, and images, sounds, video, and selected digital data packets.

The data object selection process comprises the following:

1. Creating a first dictionary of prioritized data objects for selection.
2. Providing a digital means responsive to said dictionary for use as a filtering condition.
3. Providing a means for selecting any data objects in said first dictionary.

The invention includes the following:

1. Creating a second dictionary of data objects not to be selected.
2. Providing a digital means responsive to second dictionary for use as a filtering condition.
3. Providing a digital means for selecting data objects not mentioned in the second dictionary.
4. Providing a filtering means for automatic sorting of said selected data objects according to separate predefined data objects categories.

The insertion of placeholders, placeholders comprising keys, codes, links, doors, processes, addresses, encryption, in place and beside the selected data objects, by a process that comprises the following:

1. Providing an automatic means for sorting and defining into which predefined categories each selected data object fits.
2. Providing a digital means for matching selected data objects with placeholders relevant to said predefined category.
3. Providing a digital processing means to automatically place the matched placeholder with the selected data object.
4. A digital means for scoring and ranking links in accordance to their contextual relevance to selected data objects to achieve the highest contextual relevance and also provide all contextual references.

The invention includes the following optional modes:

1. Controlled access to links.
2. Information doors and data doors would be accessible only to approved users with appropriate classification, under predefined situations and modes. The doors are released to secondary information only after user had been approved by the system.
3. Information doors and data doors would be accessible only to approved users with appropriate classification, under predefined situations and modes. The doors are released for reconstitution of original data objects for insertion in the object data streams only after user had been approved by the system.

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4. Information doors and data doors would be accessible only to approved users with appropriate classification, under predefined situations and modes. The doors are released for access to secondary processes, only after user had been approved by the system.
5. Doors can be closed and prevented from reopened immediately, at any future times, or permanently according to access rules, threats, and modes. Any links are inherently transient.

The invention includes the following optional mode:

1. Leveled access to different links.
2. Users might access different links according to their classification .For example links of confidential nature might be accessible to users with high classification.

4.Sketches

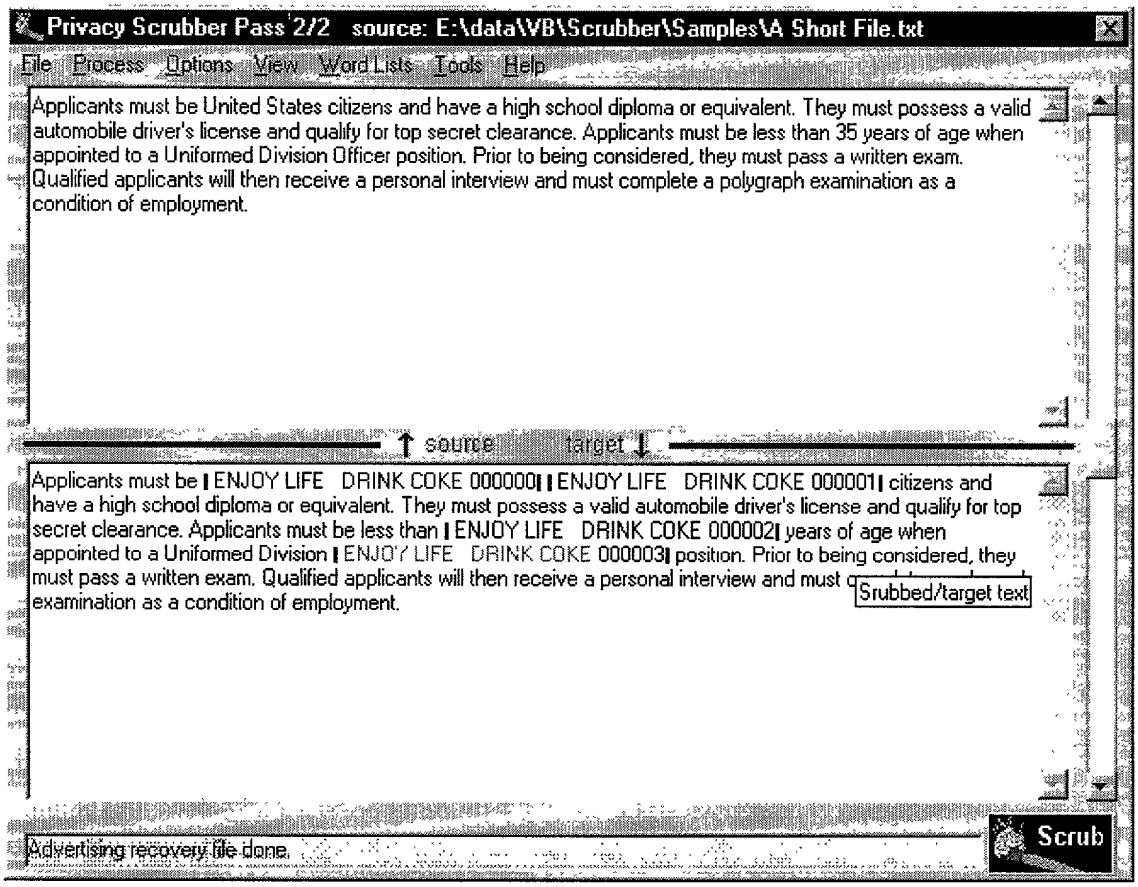

Figure 1. Runtime sample of interstitial advertisement insertion.

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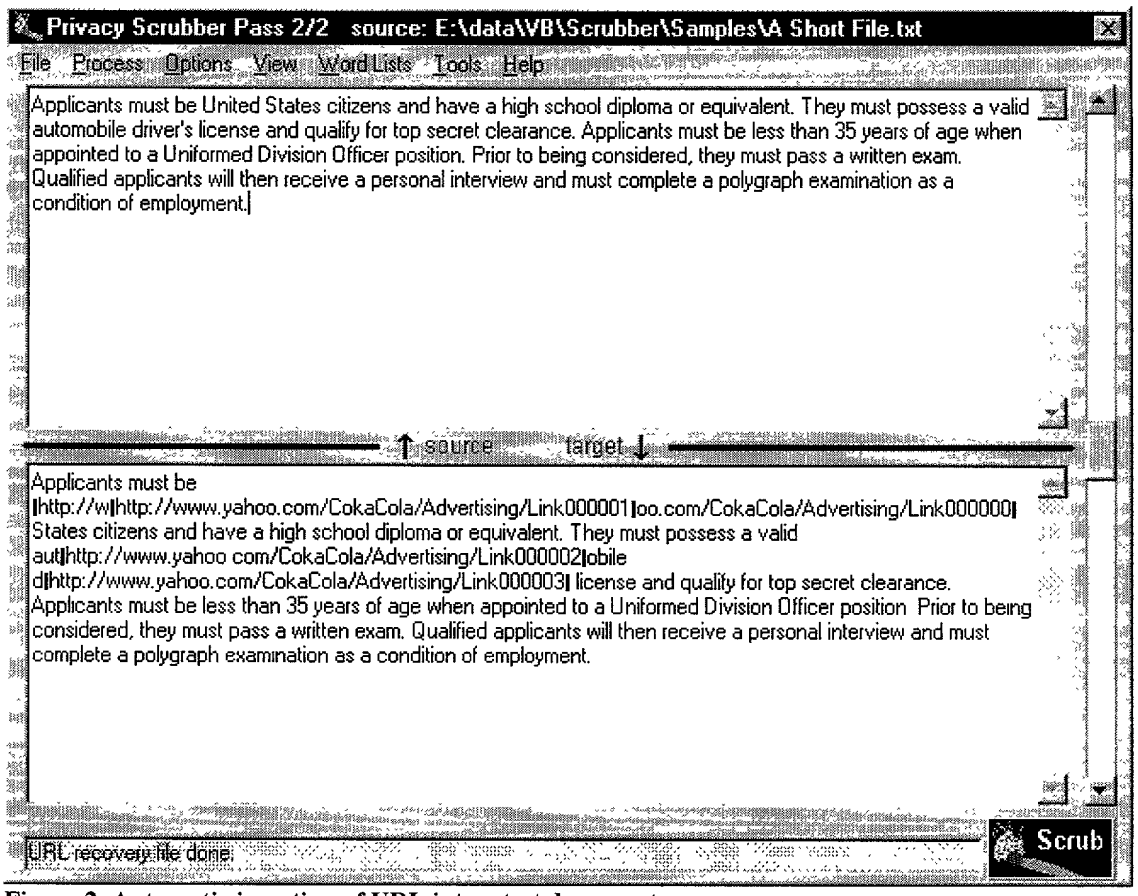

Figure 2. Automatic insertion of URL into a test document.

5.Ramifications

The invention will enable the transformation of common data object streams which primarily serve as digital data repositories into empowering tools because the selected information (doors) becomes active and linked on a location, user, system, time, and situational basis. In essence a digital computer document would be automatically turned into a tool enabling various activities through its imported links:

1. The invention facilitates new ways of interacting with digital systems.
2. The invention empowers users by automatically presenting important contents customized and personalized automatically.
3. Because links are inherently transient, links are flexible, conveniently reflect and update changes within informational databases or resources, provide access security, and mobility of security by the plurality and transformation of the links.
4. The links are customizable by user, times, location, systems, threats, or modes.
5. The links can serve as secondary or supplemental storage.
6. Because links are many, transient, and mobile, this provides an inherent security advantage by precluding access to sensitive and identifying information.

Inventor: Ron Redlich (Ron Redlich) date: 11/13/00
Inventor: MNemzow (Martin Nemzow) date: 11/13/00

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Witness date: 11/13/00

6.Possible novel features

The invention enables digital documents to automatically create links and activate those links to relevant content, link to secondary sources, messages, services, transactions, advertisements, alert with needed information. The invention also enables a user to view relevant content automatically without the need to point a mouse, other mechanical or digital device, voice-enable, or build tables of related content. Another ramification of the invention is the automatic delivery of different data streams including digital, audio, and video content without the involvement of the user or designer. The said delivery of data streams into a document can be automatically customized to the specific user profile based on his access classification, time of day, system, location, threats, and modes. Furthermore the importation of data streams into a document enables the transaction of payment for information and service providers. This technology alters and infuses new information within the context of the existing historical data. The invention is focused on automatic creation of links in object data streams. Furthermore the invention deals with all data objects streams and not only Internet or web related hyperlinks but linkages among a diverse basis of data objects and data streams.

7.Closest known art

There is no known art.

The closest known art is represented by hyperlinks and relational databases. Hyperlinks, used in connection to the Internet and the World Wide Web, alter the basis of original source data streams and do not provide restitution to original formats. In addition, links for multiple resources must be specified in sequential multiples. The existing technology exposes the link and any inherent information within that link, thereby exposing security vulnerability.

Relational databases, both table-driven and object-oriented, require and demand the prior establishment of referential integrity rather than an ad hoc, after-the-fact assignment of importance, relevance, and functional relationships. The existing data extraction, data mining, data warehousing, and report writing are used to create statistical or keyword relationships within large volumes of historical data.

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Inventor: _____ (Martin Nemzow) date: 11/3/00

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