

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re PATENT APPLICATION OF:

David A. FARBER et al.

Application Serial No.: 11/017,650

Application Filing Date: 12/22/2004

Title: **Accessing Data in a Data Processing System** (as amended)

Attorney Docket: 2618-0011

Group Art Unit: 2166

Examiner: PHAM, Khanh P.

Confirmation No.: 3082

Date: November 5, 2010

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SUPPLEMENTAL AMENDMENT

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*via EFS-Web*

Hon. Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Please amend this application as follows:

**Amendments to the Specification** (the title) begin on page 2 hereof.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 hereof.

**Remarks** begin on page 31.

An **Information Disclosure Statement (IDS)** is being filed herewith.

**IN THE SPECIFICATION**

Please replace the title with the following new title:

-- Accessing Data in a Data Processing System --

**IN THE CLAIMS**

Please amend the claims as follows:

1. (Currently amended) A computer-implemented ~~content-delivery~~ method implemented at least in part by hardware in combination with software, the method comprising the steps of:

(A) obtaining a plurality ~~[[list]]~~ of identifiers, each of said identifiers ~~[[on]]~~ in said plurality of identifiers ~~[[list]]~~ corresponding to at least one ~~[[file]]~~ of a plurality of data items, each of said identifiers ~~[[on]]~~ in said plurality ~~[[list]]~~ of identifiers being based, at least in part, on a first given function of at least some of the data that comprise the contents of a corresponding one of the plurality of data items, wherein two identical data items of said plurality of data items have identical identifiers ~~on the list~~;

(B) responsive to a request, the request including at least a specific name for a particular sequence of bits ~~[[file]]~~, the specific name having been determined, at least in part, using a second ~~[[the]]~~ given function of the particular sequence of bits ~~data that comprises the contents of the particular file~~, wherein two identical sequences of bits have the same name as determined using the second given function, and wherein the first given function is the same as the second given function that was used to determine the specific name for the particular sequence of bits, ~~[[by]]~~ hardware in combination with software, ascertaining whether or not the specific name for the particular sequence of bits corresponds to an identifier ~~[[on]]~~ in said plurality ~~[[list]]~~ of identifiers; and,

(C) based at least in part on said ascertaining in step (B), selectively permitting at least one copy of the particular sequence of bits ~~[[file]]~~ to be distributed across or accessed by or from a plurality of computers in a network, wherein a copy of the particular sequence of bits ~~[[file]]~~ is not permitted to be

distributed or accessed without authorization, as determined based, at least in part, on whether or not the specific name for the particular sequence of bits ~~[[file]]~~ corresponds to an identifier ~~[[on]]~~ in said plurality ~~[[list]]~~ of identifiers.

2. (Currently amended) A computer-implemented method, ~~in a system in which a plurality of files are distributed across a plurality of computers, the method~~ implemented at least in part by hardware in combination with software, the method comprising the steps:

(A) obtaining a specific name for a particular sequence of bits ~~[[file]]~~, the specific name having been determined at least in part as a first given function of at least some of the sequence of bits data that comprises the contents of the particular file, wherein two identical sequences of bits will have the same name, as determined using the first given function ~~wherein the contents of the particular file may represent a digital message, a portion of a digital message, a digital image, a portion of a digital image, a video signal, a portion of a video signal, an audio signal, or a portion of an audio signal;~~ and

(B) ascertaining, by hardware in combination with software, whether or not the specific name for the particular sequence of bits ~~[[file]]~~ corresponds to an identifier ~~[[on]]~~ in a plurality ~~[[list]]~~ of identifiers, said plurality of identifiers ~~on said list of identifiers~~ corresponding to a plurality of data items, each of said plurality of identifiers ~~on said list of identifiers~~ being based, at least in part, on ~~[[the]]~~ a second given function of the contents of a corresponding one of the plurality of data items, wherein two identical data items have identical identifiers, as determined by said second given function ~~on the list, and wherein the second given function is the same as the first given function;~~ and

(C) based at least in part on said ascertaining in step (B), selectively allowing a copy of the particular sequence of bits ~~[[file]]~~ to be distributed to or provided or accessed by or from at least one of the computers in said plurality of

computers, wherein a copy of the sequence of bits ~~[[file]]~~ is not to be distributed or provided or accessed without authorization, as determined based, at least in part, on whether or not the specific name for the particular sequence of bits ~~[[file]]~~ corresponds to one of an identifier on said plurality ~~[[list]]~~ of identifiers.

3. (Currently amended) A computer-implemented method implemented at least in part by hardware in combination with software, the method comprising the steps:

(A) ~~obtaining a copy of at least one particular file;~~

(B) ~~for said at least one particular file, by hardware in combination with software, determining a first content-dependent name for a~~ said at least one particular sequence of bits ~~[[file]]~~, at least in part by applying a ~~message digest function or hash~~ particular function to at least some of the ~~contents of the at least one particular sequence of bits~~ file to determine said first content-dependent name for the at least one particular file, said particular function comprising a message digest function or a hash function, wherein two identical sequences of bits will have the same content-dependent name as determined using said particular function;

(B) ~~[[C]]~~ ascertaining whether or not said first content-dependent name for the at least one particular sequence of bits ~~[[file]]~~ corresponds to ~~an entry on a first list~~ one of a plurality of identifiers, said plurality of identifiers on said list of identifiers corresponding to a plurality of data items, each identifier ~~on said first list~~ of said plurality of identifiers being based, at least in part, on a first given function of the data that comprise the contents of a corresponding one of the plurality of data items, wherein said first given function comprises the particular function used to determine the first content-dependent name for said particular sequence of bits; and,

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