

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re PATENT APPLICATION OF:	Attorney Docket: 2618-0020
FARBER, David et al.	Group Art Unit: 2166
Application Serial No.: 11/980,679	Examiner: PHAM, Khanh B.
Application Filing Date: October 31, 2007	Confirmation No.: 6827
Title: <b>DISTRIBUTING AND ACCESSING DATA IN A DATA PROCESSING SYSTEM</b>	Date: October 5, 2009

**AMENDMENT**

Hon. Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Amendment is being filed in response to the non-final Office Action mailed 05/06/2009. Please amend this application as follows:

**Amendments to the claims** begin on page 2 below.

**Remarks** begin on page 11 below.

*A Petition for Extension of Time* is being filed herewith, along with the required fee.

EMCVMW 1037

**IN THE CLAIMS**

Please amend the claims as follows. This listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently amended) A method of distributing a data item to a plurality of computers in a network of computers, wherein at least some of said computers in said network comprise part of a peer-to-peer (P2P) network of computers, the method comprising:

- (A) dividing the data item into a plurality of segments; and
- (B) ~~for each particular segment of said plurality of segments,~~  
——(b1)——causing each ~~said particular~~ segment of said plurality of segments to be stored on a plurality of computers ~~at least one computer~~ in said P2P network;
- (C) maintaining information about the a list of computers in said P2P network onto which ~~each of~~ said segments has have been stored; and
- (D) making available to other computers in said P2P network the information about the computers onto which said segments have been stored.

2. (Original) A method as recited in claim 1 wherein each segment of the plurality of segments is distinct from each other segment.

3. (canceled)

4. (Currently amended) A method as recited in claim 1 wherein the information about the computers comprises a list of computers in the P2P network, the method further comprising:

(D) maintaining, for each computer on said list of computers, information relating to a measure of availability of said each computer.

5. (Original) A method as recited in claim 1 further comprising:

for each particular segment, determining an identifier, said identifier being determined as a function of all of the data in said particular segment and only the data in said particular segment, where any two identical segments will have identical identifiers, and wherein the step (C) of maintaining further comprises associating each of said segments with its corresponding identifier.

6. (Original) A method as recited in claim 1 wherein at least some of said plurality of segments are stored in an encoded form by compressing said at least some segments.

7. (Original) A method as recited in claim 6 wherein at least some of said segments are compressed after being sent.

8. (Original) A method as recited in claim 1 further comprising:

for each particular segment, determining an identifier, said identifier being determined as a given function of the data comprising said particular segment, where any two identical segments will have identical identifiers, and wherein the

step (C) of maintaining further comprises associating each of said segments with its corresponding identifier.

9. (Currently amended) A method of distributing a plurality of data items to a plurality of computers in a network of computers, wherein at least some of said computers in said network comprise part of a peer-to-peer (P2P) network of computers, the method comprising:

(A) ~~for each of said plurality of data items,~~

(a1) ~~dividing each of said plurality of data items~~ the data item into a plurality of segments; and

[[a2)]] ~~for each particular segment of said plurality of segments,~~

(B) ~~causing each said particular segment of said segments~~ to be stored on a plurality of computers ~~at least one computer~~ in said P2P network;

[[B)]] (C) ~~maintaining a list of information about computers in said P2P network~~ onto which ~~each of~~ said segments for ~~each of~~ said plurality of data items ~~has~~ have been stored; and

(D) making available to other computers in said P2P network the information about the computers onto which said segments for said plurality of data items have been stored.

10. (Currently amended) A method of obtaining a data item at a first computer in a peer-to-peer (P2P) network of computers, said data item comprising

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a plurality of segments, each of said plurality of segments being stored on more than one computer in said P2P network, the method comprising:

(A) obtaining information about computers in said P2P network that may have a copy of ~~for~~ each particular segment of said plurality of segments that comprise said data item, ~~said computer~~;

(B) ~~based at least in part on said information, requesting said at least one particular segment of said plurality of segments that comprise said data item from at least one of a plurality of computers in said P2P network of computers~~; and

(C) ~~obtaining said particular segment from said at least one of a plurality of computers in said P2P network of computers~~; and

(D) obtaining at least one other segment of said plurality of segments from at least one other computer in said P2P network.

11. (Currently amended) A method as recited in claim 10 further comprising:

said first computer combining a plurality of received segments ~~each said particular segment~~ to form said data item.

12. (canceled)

13. (Currently amended) A method as recited in claim 10 further comprising, for each ~~said~~ particular segment that comprises said data item:

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