

EXHIBIT 2B

Claim Chart for Amazon Simple Storage Service (S3) re U.S. PATENT NO. 6,415,280

Issued July 2, 2002

Identifying and Requesting Data in Network Using Identifiers Which Are Based on Contents of Data

CLAIM 36 '280 PATENT	Amazon Simple Storage Service (S3)
<p>36. A method of delivering a data file in a network comprising a plurality of processors, some of the processors being servers and some of the processors being clients, the method comprising:</p>	<p>Amazon S3 (Simple Storage Service) is an online storage web service offered by Amazon.com. Amazon S3 provides storage through web services interfaces. S3 stores artifacts (computer files) up to 5 terabytes in size, each accompanied by up to 2 kilobytes of metadata. Objects are organized into buckets (each owned by an Amazon Web Services account) and identified within each bucket by a unique, user-assigned key. [http://en.wikipedia.org/wiki/Amazon_S3]; http://aws.amazon.com/s3/.</p> <p>End user's, remote from Amazon's servers, use their computers with client software to upload data items to the Amazon servers with server processors.</p>
<p>storing the data file is on a first server in the network and storing multiple copies of the data file on a set of servers in the network distinct from the first server; and</p>	<p>Although a review of Defendant's source code is necessary to confirm, Plaintiff alleges that Amazon's S3 system stores a data file on a first server in the network and stores multiple copies of the data file on a set of servers in the network distinct from the first server.</p> <p>Amazon S3 provides a highly durable storage infrastructure designed for mission-critical primary data storage. Objects are redundantly stored on multiple devices across multiple facilities in an Amazon S3 Region. To help ensure durability, Amazon S3 performs replication operations synchronously store your data across multiple facilities before returning. Once stored, Amazon S3 maintains the durability of your objects by quickly repairing any lost redundancy.</p> <p>[http://aws.amazon.com/s3/#protecting]</p>

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<p>responsive to a client request for the data file, the request including a hash of the contents of the data file, causing the data file to be provided to the client.</p>	<p>Although a review of Defendant's source code is necessary to confirm, Plaintiff's Amazon's S3 receives client requests for the data file, the request including contents of the data file, causing the data file to be provided to the client.</p> <p>When performing a multipart upload, Amazon S3 automatically generates a multipart upload ID to retrieve the data being uploaded. [http://awsdocs.s3.amazonaws.com/S3/latest/s3-dg.pdf].</p>

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	<p style="text-align: center;">Common Response Headers</p> <p>The following table describes response headers that are common to most AWS .</p> <table border="1"> <thead> <tr> <th>Name</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Content-Length</td> <td>The length in bytes of the body in the response. Type: String Default: None</td> </tr> <tr> <td>Connection</td> <td>specifies whether the connection to the server is open or Type: Enum Valid Values: open close Default: None</td> </tr> <tr> <td>Date</td> <td>The date and time Amazon S3 responded, for example, W 12:00:00 GMT. Type: String Default: None</td> </tr> <tr style="border: 2px solid red;"> <td>ETag</td> <td>The entity tag is a hash of the object. The ETag only reflects contents of an object, not its metadata. The ETag is determined by the server. <u>For objects created by the PUT Object operation, the ETag is a quoted, 32-digit hexadecimal string that is the MD5 digest of the object data.</u> For other objects, the ETag is the MD5 digest of the object data. If the ETag is not an MD5 digest, it will contain one or more non-hexadecimal characters and may be more than 32 or more than 32 hexadecimal digits. Type: String</td> </tr> <tr> <td>Server</td> <td>The name of the server that created the response</td> </tr> </tbody> </table> <p>[http://awsdocs.s3.amazonaws.com/S3/latest/s3-api.pdf].</p>	Name	Description	Content-Length	The length in bytes of the body in the response. Type: String Default: None	Connection	specifies whether the connection to the server is open or Type: Enum Valid Values: open close Default: None	Date	The date and time Amazon S3 responded, for example, W 12:00:00 GMT. Type: String Default: None	ETag	The entity tag is a hash of the object. The ETag only reflects contents of an object, not its metadata. The ETag is determined by the server. <u>For objects created by the PUT Object operation, the ETag is a quoted, 32-digit hexadecimal string that is the MD5 digest of the object data.</u> For other objects, the ETag is the MD5 digest of the object data. If the ETag is not an MD5 digest, it will contain one or more non-hexadecimal characters and may be more than 32 or more than 32 hexadecimal digits. Type: String	Server	The name of the server that created the response
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	<p><u>Multipart Uploads:</u></p> <p>S3 performs multipart uploads through the generation and use of an “ETag” hash (because it is a PUT operation, it is a MD5 hash, see “common response” above,) of the data-part, which is required for a later request to complete the upload and for Amazon S3 to concatenate the parts together to form a single object. See [http://awsdocs.s3.amazonaws.com/S3/latest/s3-dg.pdf]. And once combined, S3 responds with an ETag that uniquely identifies the combined data. See [http://awsdocs.s3.amazonaws.com/S3/latest/s3-dg.pdf].</p> <p>Multipart uploading is a three-step process: You initiate the upload, you upload the parts, you have uploaded all the parts, you complete the multipart upload. Upon receiving the multipart upload request, Amazon S3 constructs the object from the uploaded parts, and you retrieve the object just as you would any other object in your bucket.</p> <p>[http://awsdocs.s3.amazonaws.com/S3/latest/s3-dg.pdf]</p> <p><u>Parts Upload Step</u></p>

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