

2142



PATENT
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Applicant: *Leonid Goldstein*
Serial No.: **09/398,007**
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For: System and Method for Data Access
Attorney Docket: 0021973-0003

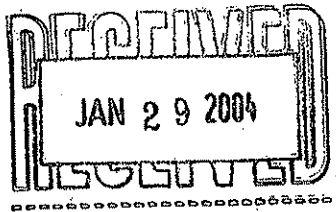
Examiner: Hai Nguyen
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Sir:

In reply to the notice of allowance dated December 12, 2003, Applicant hereby submits a certified copy of the priority document, Israeli patent application No. 126,292 filed September 18, 1998.

January 21, 2003

Respectfully submitted

David Chan

David Chan, (51,540)
Attorney for Applicants

PROXYCONN, INC.
EXHIBIT
2005

LOSANGELES 116546v1



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בזה העתקים נכונים של
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This 13-01-2004 הינו

רשם הפטנטים

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בקשה לפטנט
Application for Patent

מספר: Number	126292
תאריך Date	18-09-1998
הוקדם.הדחה Ante/Post-dated	

(אני, (שם המבקש, מענו — ולגבי גוף מאוגד — מקום התאגדותו) I (Name and address of applicant, and, in case of a body corporate, place of incorporation)

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לאוניד גולדשטיין
אזרח ישראלי
רח' רבינו תם 15
הרצליה.

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מערכת ושיטת גישה לנתונים

(Hebrew)

SYSTEM AND METHOD FOR DATA ACCESS

(באנגלית)
English

Hereby apply for a patent to be granted to me in respect thereof.

מבקש בזאת כי ינתן לי עליה פטנט.

*בקשת חלוקה - Application for Division		*בקשת פטנט מוסף - Application for Patent of Addition		*דרישת דין קדימה Priority Claim		
מבקשת פטנט from Application No. _____ מסי _____ Date _____ מיום _____		לבקשה/לפטנט to Patent/Appl. No. _____ מסי _____ Date _____ מיום _____		מספר/סימן Number/Mark	תאריך Date	מדינת האיגוד Convention Country
ייפוי כח: כללי - עוד יוגש P. O. A.: general/specific - to follow						
המען למסירת הודעות ומסמכים בישראל Address for Service in Israel WOLFF, BREGMAN AND GOLLER P. O. Box 1352 Jerusalem, Israel, 91013						
חתימת המבקש Signature of Applicant WOLFF, BREGMAN AND GOLLER by: _____				1998	שנת 9	בחודש 17
				This	of	1998
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SYSTEM AND METHOD FOR DATA ACCESS

מערכת ושיטת גישה לנתונים

Field of the Invention

The present invention relates to data access in networks. Specifically, the invention is concerned with a method, system and apparatus for increasing the speed of data accessing in communication networks.

Background of the Invention

Many known applications and protocols provide means for caching and verifying of data transmitted via a network 2 (Fig. 1, prior art). Thus, a client (receiver) 4 caches data received from network 2 in cache 6. Then, when data from a remote server (sender) 8 is requested, it first searches its local cache. If the requested data is available in the cache and is verified to be valid, the client uses it, and transmission over the network is not required. Gateway or proxy caches 10 (Fig. 2, prior art) are able to operate in a similar manner.

The most well-known techniques are as follows:

- 1) In response to a request from a receiver, a sender attaches to the sent data an expiration time in absolute or relative form. The receiver, and possibly proxies, cache the data together with its request until the expiration time. Then the data is retrieved from the cache. In some cases, the receiver guesses the expiration time.

The problem associated with this technique is that the data entity can be changed before the expiration time, and the receiver would use an obsolete version of the data without even knowing it. Also, when the time has expired, the data will be resent, even if it is up to date.

- 2) In response to a request from a receiver, the sender attaches a validator to the sent data. The validator changes at least every time the data changes; in many

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