

UNITED STATES PATENT 4,805,134
to CALO ET AL.

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1989

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**ELECTRONIC SYSTEM FOR ACCESSING
GRAPHICAL AND TEXTUAL
INFORMATION**

OVERVIE

A system for accessing information and executing transactions between databases and individual end user terminals, which includes databases that are remotely located with respect to each other.

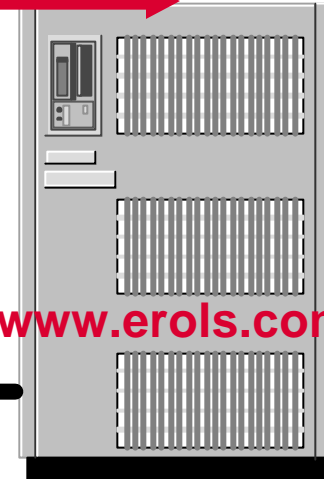
Claim:

- 1. A system for enabling users thereof to electronically access a wide range of information, and including a capability for interuser messaging and executing of transactions, comprising:
 - a. terminal means for displaying graphical and textual information to a user;**
 - b. a first operational node connected to said terminal means and comprising:
 - (1) first database means comprising page means for providing graphical and textual information, said page means comprising a plurality of pages, each page comprising a variable length electronic data structure comprising control information and displayable data, said control information comprising at least one exit path for directing the user from one page to another page; and**
 - (2) first application program means for exchanging messages and executing transactions on behalf of said user; and****
 - c. a second operational node comprising second database means and second application program means for respectively providing graphical and textual information, and exchanging messages and executing transaction on behalf of said user; and**
 - d. means for enabling said terminal means to access said graphical and textual information from said first and second database means and to exchange messages and execute transactions with said second operational node, through said first node means.****

1. A system for enabling users thereof to electronically access a wide range of information, and including a capability for interuser messaging and executing of transactions, comprising:

a. **terminal means** for displaying graphical and textual information to a user;

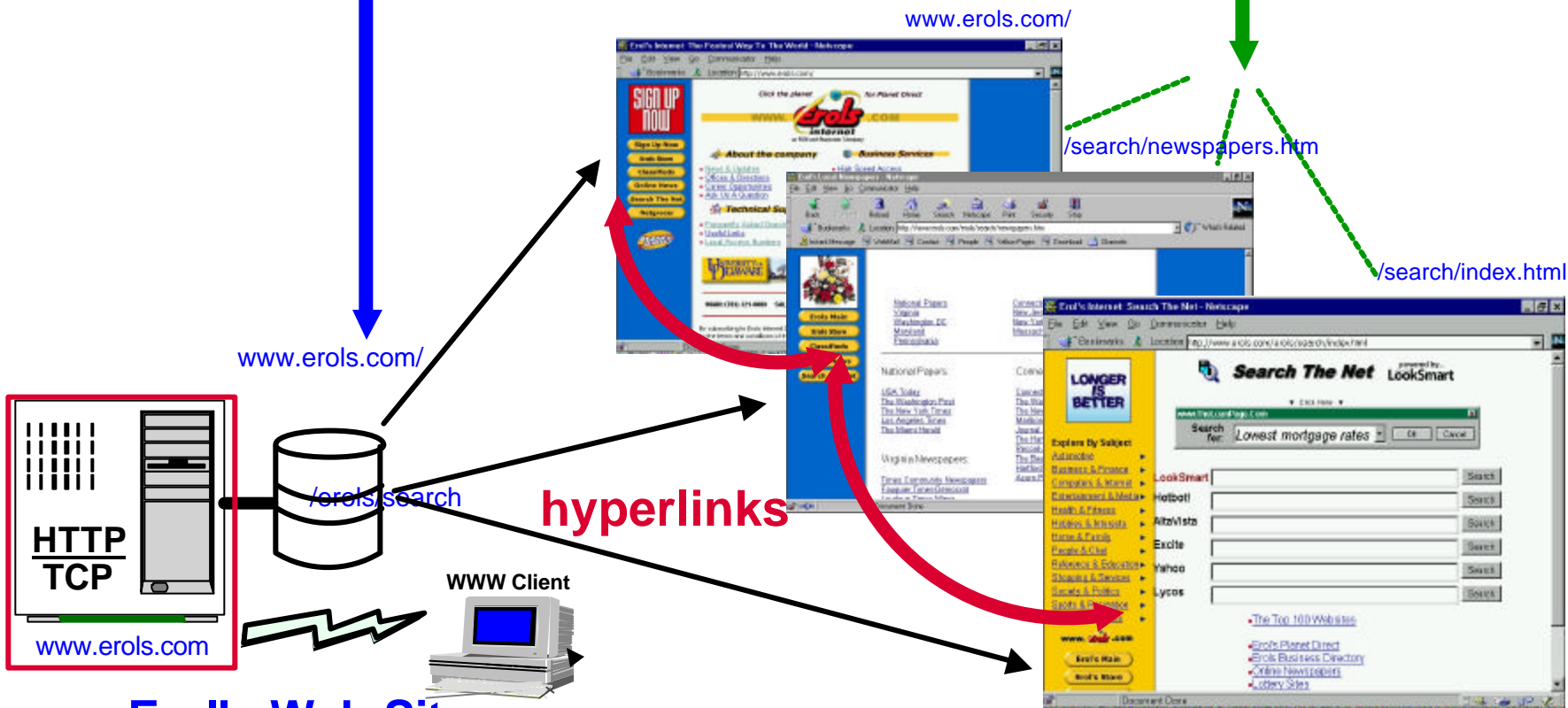
b. **a first operational node** connected to said terminal means and comprising:



User Terminal

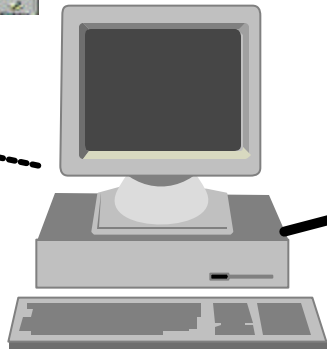
Erol's Node 1

--(1) **first database means comprising page means** for providing graphical and textual information, said page means comprising a **plurality of pages**, each page comprising a variable length electronic data structure comprising control information and displayable data, said control information comprising at least one **exit path** for directing the user from one page to another page; and

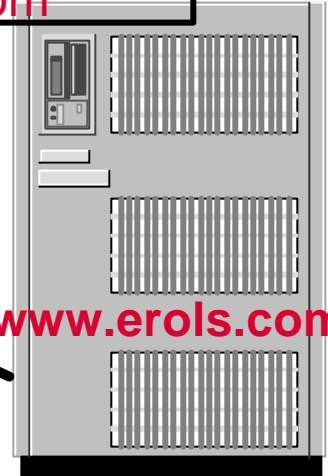


--(2) **first application program means** for exchanging messages and executing transactions on behalf of said user; and

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HTTP/1.1 200 OK
Date: Tue, 26 Jan 1999 16:23:31 GMT
Server: Apache/1.3.4 (Unix)
Last-Modified: Tue, 26 Jan 1999 16:23:31 GMT
ETag: W/"1b8bc6-255e-36adef58"
Accept-Ranges: bytes
Content-Length: 9566
Connection:close
www.erols.com
```

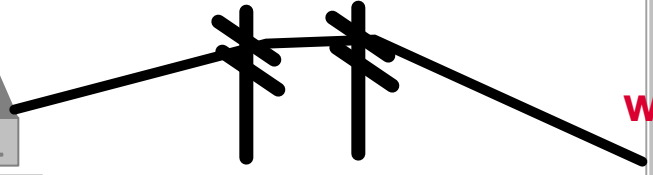
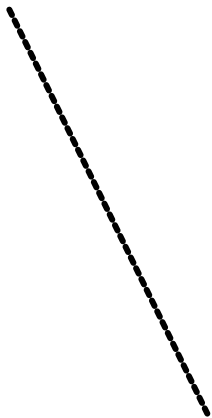
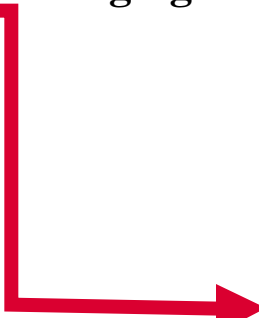


User Terminal

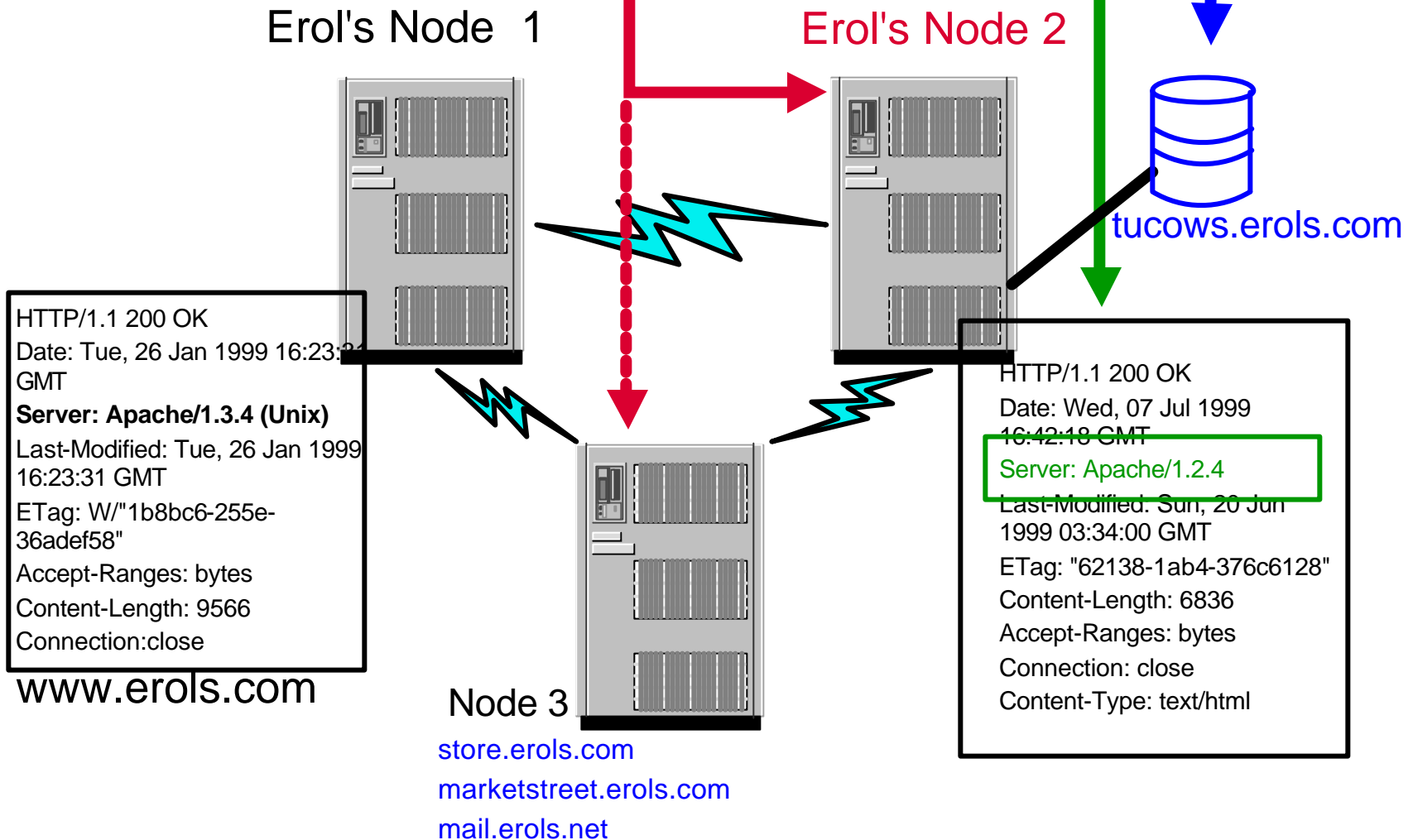


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c. a **second operational node** comprising **second database means** and **second application program means** for respectively providing graphical and textual information, and exchanging messages and executing transaction on behalf of said user; and



d. **means for enabling** said terminal means to access said graphical and textual information from said **first** and **second** database means and to exchange messages and execute transactions with said second operational node, through said **first node means**.

