



(12) **United States Patent**
Herz

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(45) **Date of Patent:** ***Oct. 1, 2002**

(54) **SYSTEM AND METHOD FOR PROVIDING CUSTOMIZED ELECTRONIC NEWSPAPERS AND TARGET ADVERTISEMENTS** 5,331,556 A 7/1994 Black, Jr. et al. 364/419.08
(List continued on next page.)

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(73) Assignee: **Pinpoint Incorporated**, TX (US)
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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(List continued on next page.)

This patent is subject to a terminal disclaimer.

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(21) Appl. No.: **08/985,732**

(57) **ABSTRACT**

(22) Filed: **Dec. 5, 1997**

Related U.S. Application Data

(63) Continuation-in-part of application No. 08/346,425, filed on Nov. 28, 1994, now Pat. No. 5,758,25.

(60) Provisional application No. 60/032,462, filed on Dec. 9, 1996.

(51) **Int. Cl.**⁷ **G06F 17/30**; G06F 17/60; G06F 15/16; H04H 9/00

(52) **U.S. Cl.** **707/10**; 707/2; 725/14; 709/217; 705/14

(58) **Field of Search** 707/103, 10, 103 R, 707/2, 9; 395/200.36; 348/7; 705/14; 725/105, 14; 709/217

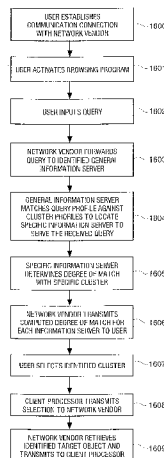
This invention relates to customized electronic identification of desirable objects, such as news articles, in an electronic media environment, and in particular to a system that automatically constructs both a "target profile" for each target object in the electronic media based, for example, on the frequency with which each word appears in an article relative to its overall frequency of use in all articles, as well as a "target profile interest summary" for each user, which target profile interest summary describes the user's interest level in various types of target objects. The system then evaluates the target profiles against the users' target profile interest summaries to generate a user-customized rank ordered listing of target objects most likely to be of interest to each user so that the user can select from among these potentially relevant target objects, which were automatically selected by this system from the plethora of target objects that are profiled on the electronic media. Users' target profile interest summaries can be used to efficiently organize the distribution of information in a large scale system consisting of many users interconnected by means of a communication network. Additionally, a cryptographically-based pseudonym proxy server is provided to ensure the privacy of a user's target profile interest summary, by giving the user control over the ability of third parties to access this summary and to identify or contact the user.

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20 Claims, 13 Drawing Sheets



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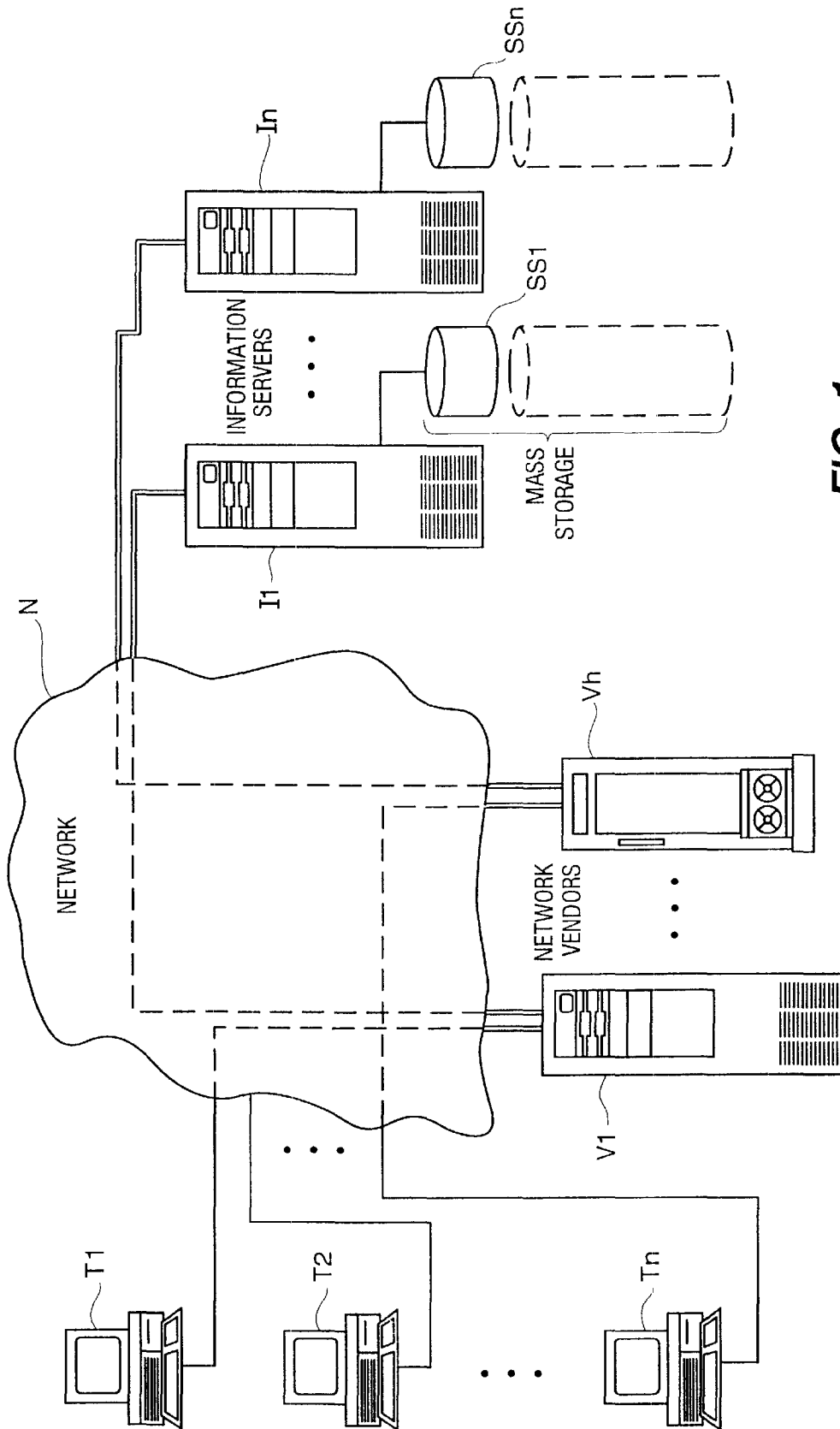


FIG. 1
PRIOR ART

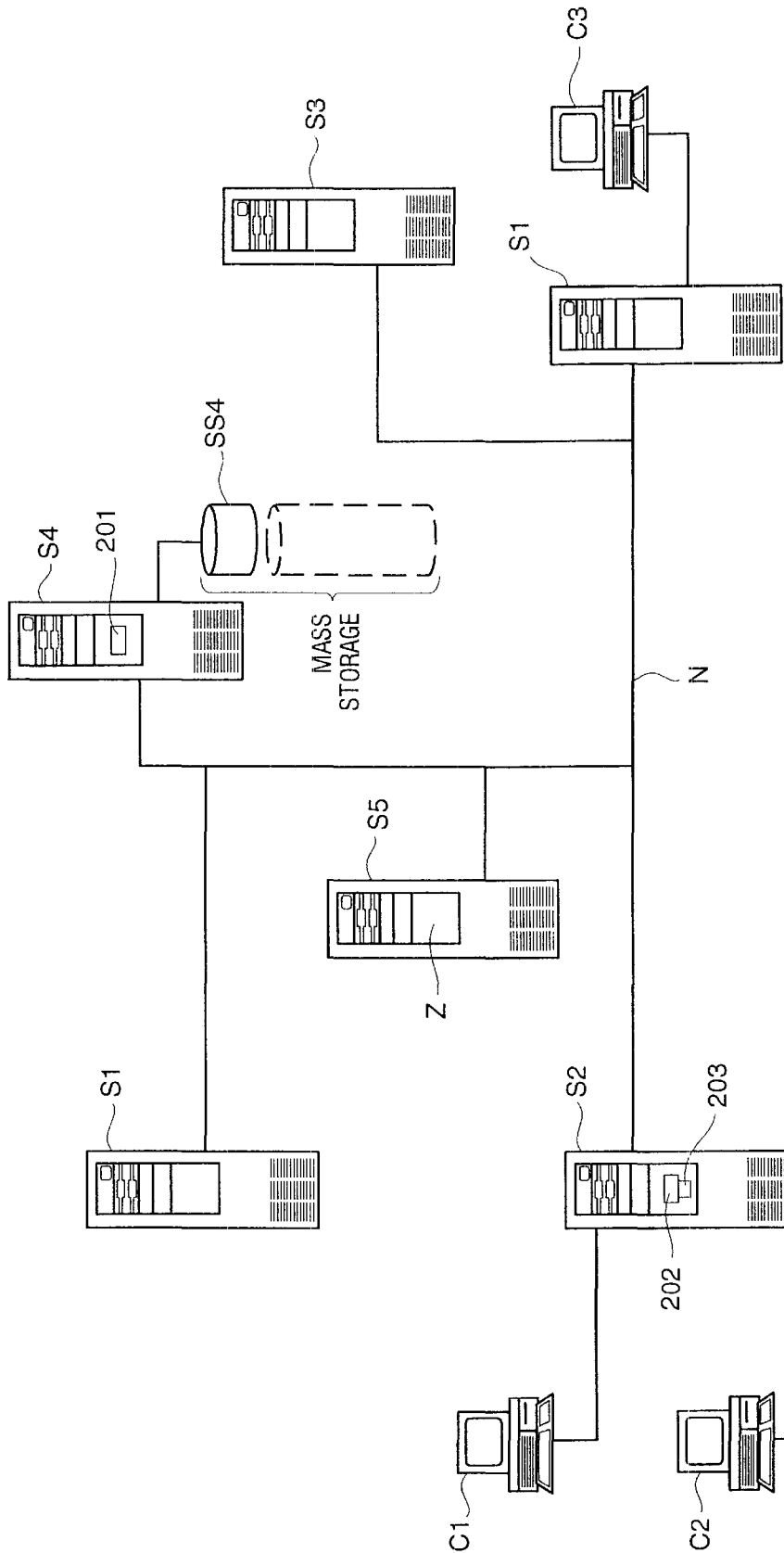


FIG. 2

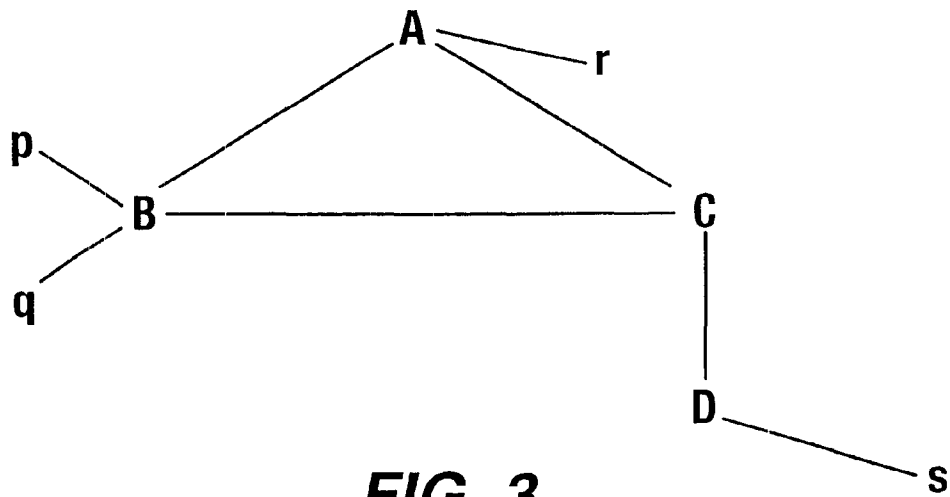


FIG. 3

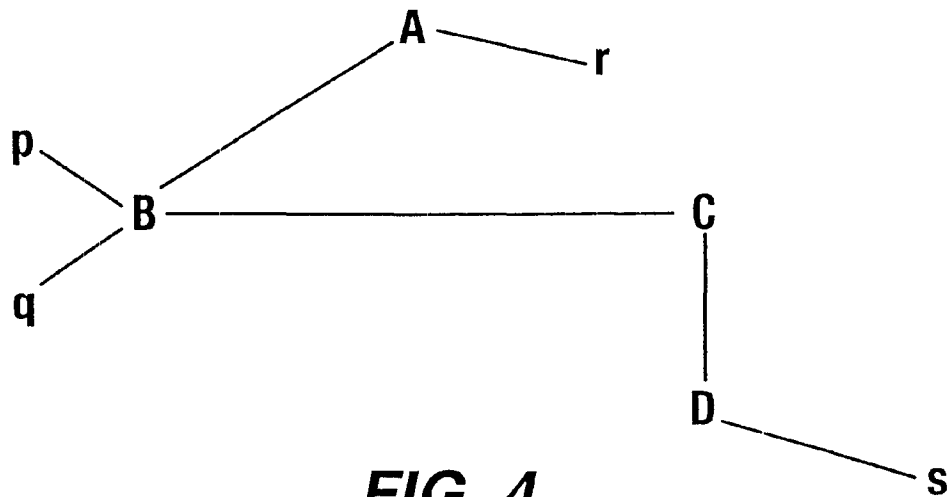


FIG. 4

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