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(12) **United States Patent**  
**Wood et al.**

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(54) **BRANCH CALLING AND CALLER ID  
BASED CALL ROUTING TELEPHONE  
FEATURES**

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(75) Inventors: **Samuel F. Wood**, Los Altos, CA (US);  
**Jerry A. Klein**, Los Altos, CA (US);  
**Margaret Susan Asprey**, Los Altos,  
CA (US)

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right 1999.

(73) Assignee: **Telemaze LLC**, Los Altos, CA (US)

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*Primary Examiner*—Creighton Smith

(74) *Attorney, Agent, or Firm*—Patent Law Group LLP;  
Brian D. Ogonowsky

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(57) **ABSTRACT**

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A caller ID based call routing feature is described for  
blocked and non-blocked caller ID's. A processing system in  
the public switched telephone network (PSTN) receives first  
identifying information for identify the source of a telephone  
call and associates additional information stored in a  
memory with the first identifying information. The addi-  
tional information may be information about the calling  
party initially downloaded to the memory by a subscriber.  
Once retrieved from the memory by the processing system,  
the additional information may then be transmitted to the  
subscriber via the Internet for display on a monitor or to the  
subscriber's telephone for display on a telephone display.  
Another feature described is a branch calling feature where  
the subscriber may program a processing system within the  
PSTN to forward an incoming call to two or more end units  
(e.g., telephones) simultaneously. If the call at an end unit is  
answered, answer supervision signaling is transmitted back  
to the processing system which then terminates all other  
calls. The processing system then connects the calling party  
to the subscriber. The branch calling may be made for any  
combination of local, long distance, and cellular telephone  
numbers.

(65) **Prior Publication Data**

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**Related U.S. Application Data**

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filed on May 4, 2000, now Pat. No. 6,574,328.

(51) **Int. Cl.**  
**H04M 1/56** (2006.01)

(52) **U.S. Cl.** ..... **379/142.02**; 379/142.06

(58) **Field of Classification Search** ..... 379/88.2,  
379/88.26, 127.01, 142.02, 142.03, 142.06,  
379/201.11, 207.15, 210.02, 210.03, 211.02  
See application file for complete search history.

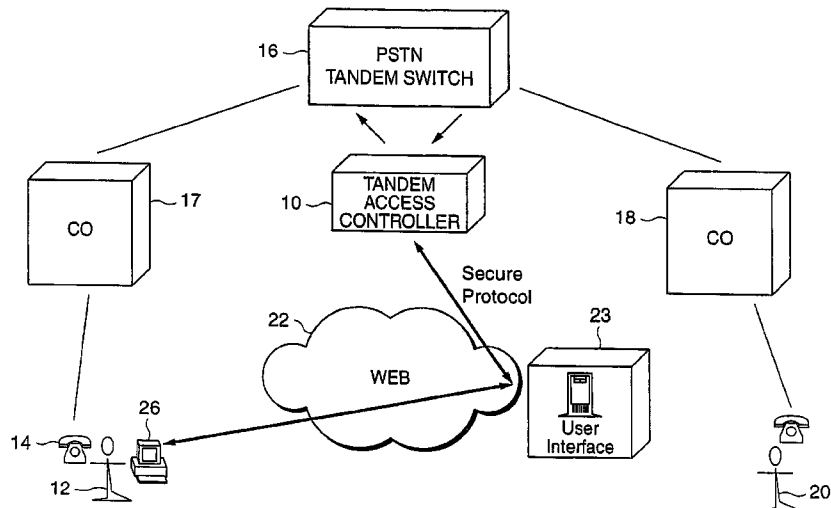
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**31 Claims, 11 Drawing Sheets**



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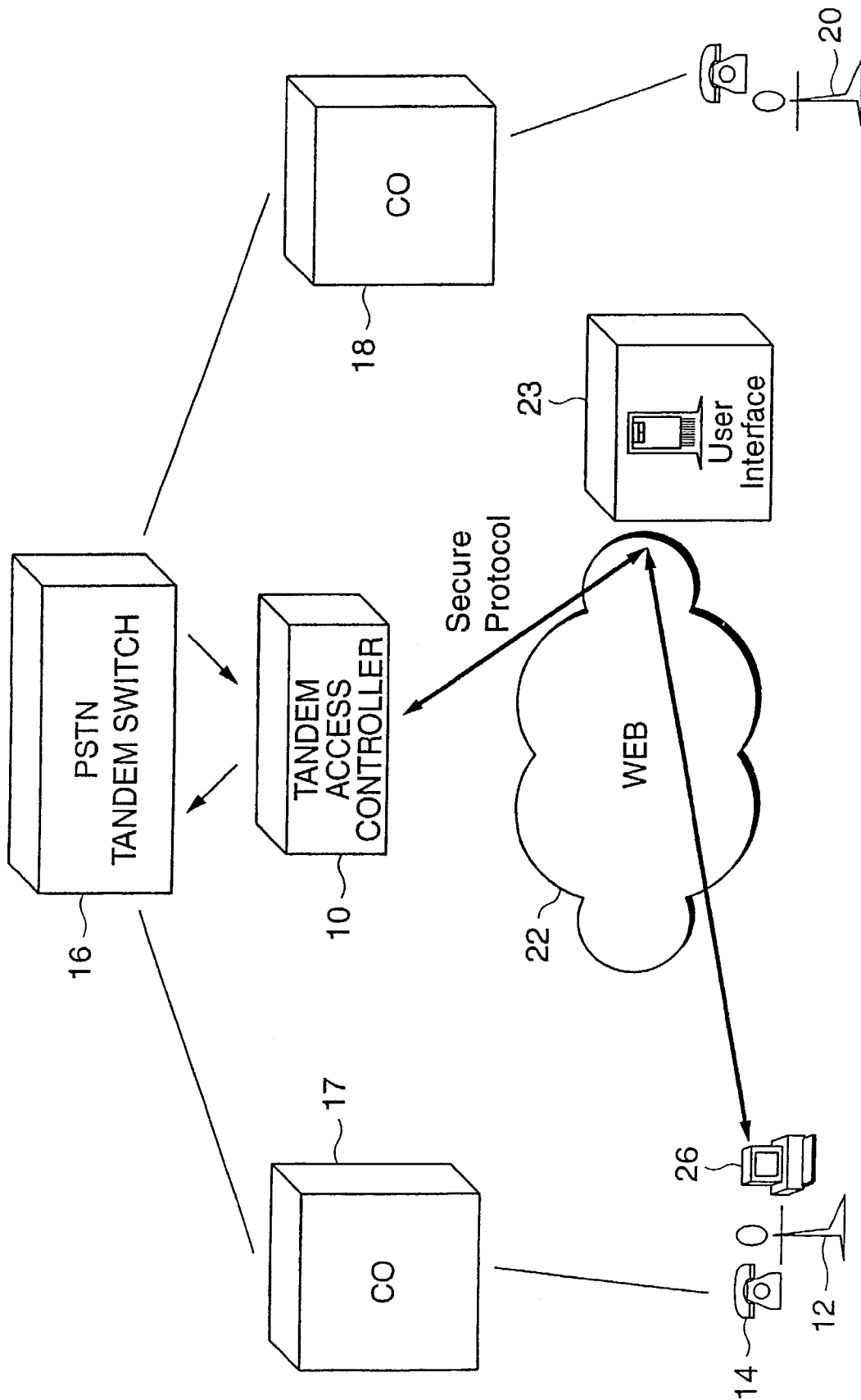


FIG. 1

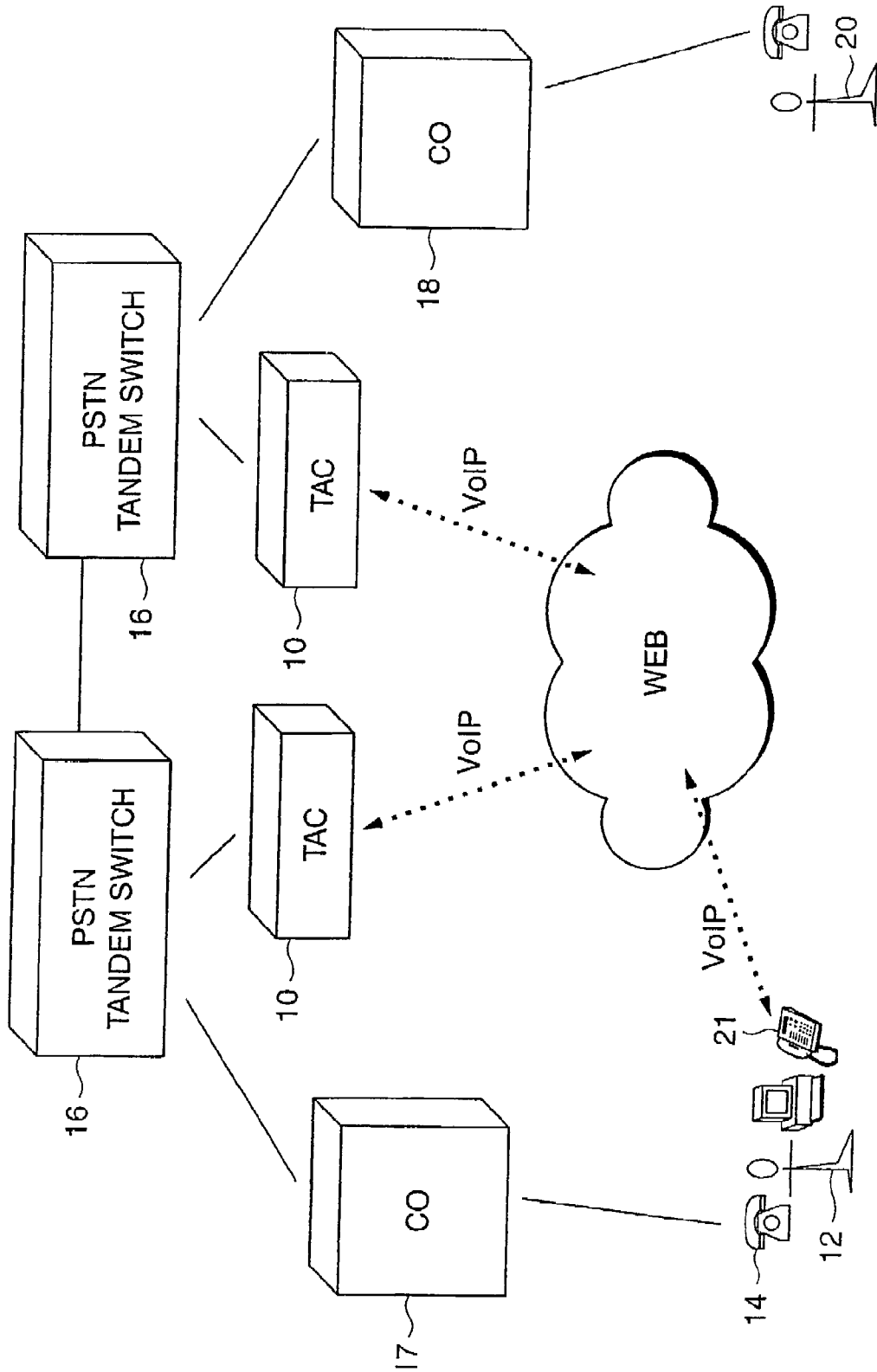


FIG. 2

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