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Wood et al.

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

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ADC Telecommunications; SS7 New Net SS7 Tutorial; © Copy-
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patent is extended or adjusted under 35
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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.

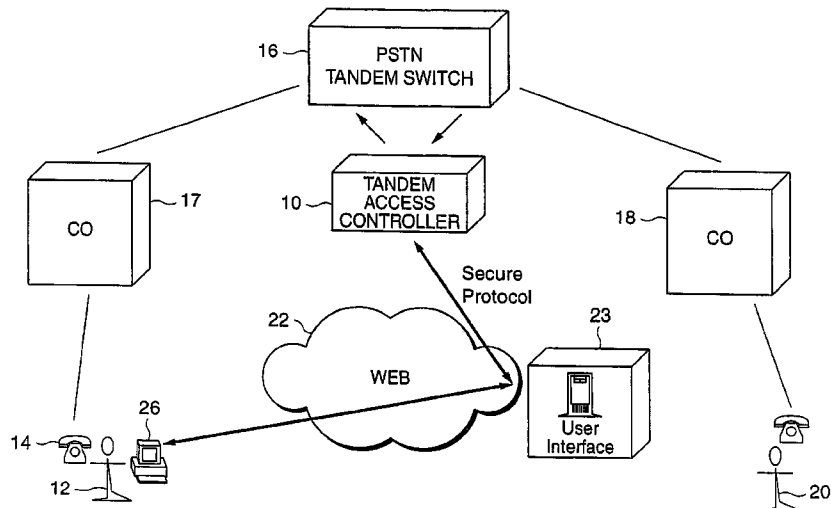
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31 Claims, 11 Drawing Sheets



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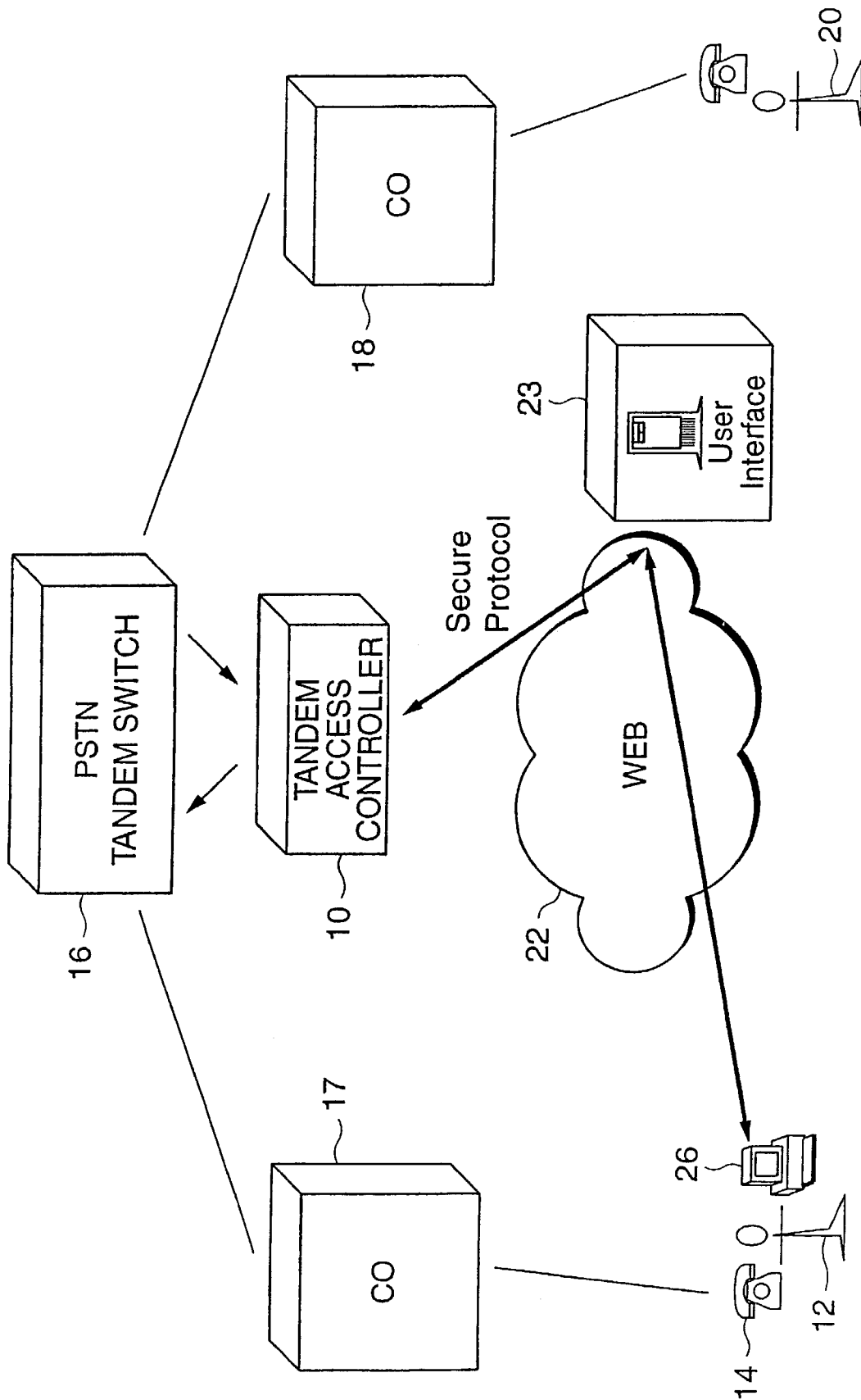


FIG. 1

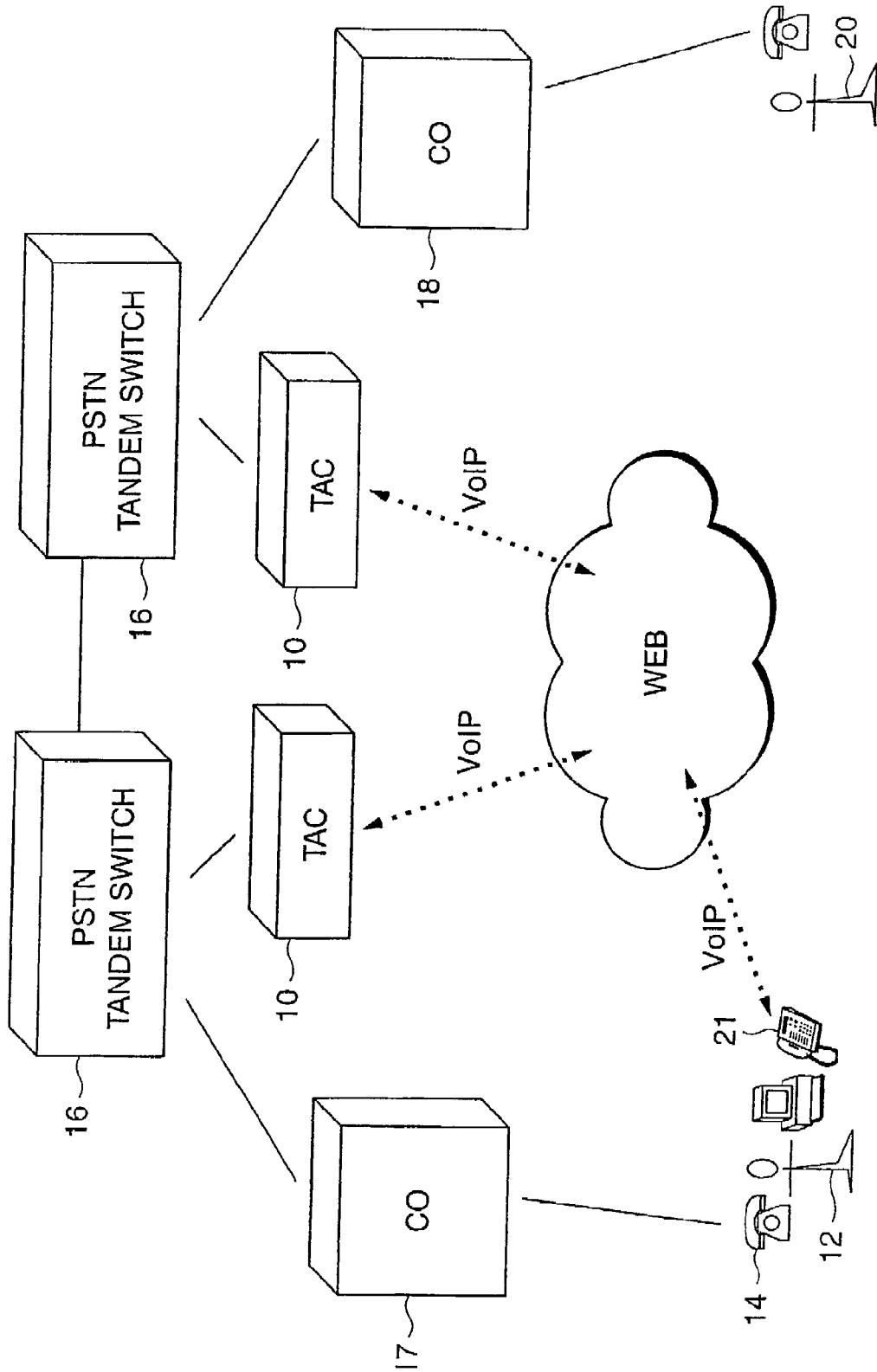


FIG. 2

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