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

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(Continued)

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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 85 days.

Dowden, Douglas C., et al., "The Future of Network-Provided Communications Services," *Bell Labs Technical Journal*, Jul.-Sep. 2000, pp. 3-10.

This patent is subject to a terminal disclaimer.

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(57) **ABSTRACT**

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Related U.S. Application Data

(60) Continuation of application No. 11/948,965, filed on Nov. 30, 2007, now Pat. No. 7,764,777, which is a division of application No. 10/426,279, filed on Apr. 30, 2003, now Pat. No. 7,324,635, which is a continuation-in-part of application No. 09/565,565, filed on May 4, 2000, now Pat. No. 6,574,328.

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 additional 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.

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H04L 12/66 (2006.01)

(52) **U.S. Cl.**
USPC **370/352; 379/220.01**

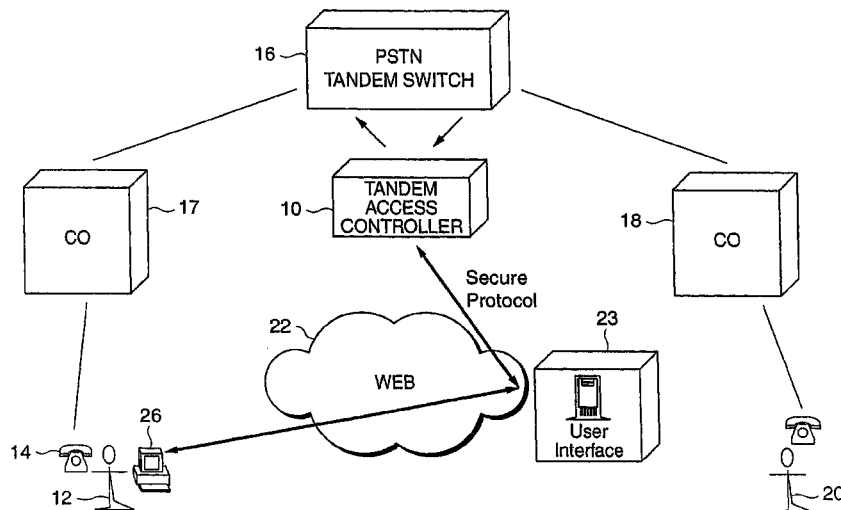
(58) **Field of Classification Search**
USPC **370/352; 379/220.01**
See application file for complete search history.

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182 Claims, 11 Drawing Sheets



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