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(54) TELEPHONE CALL CONTROL SYSTEM FOR THE PUBLIC SWITCHED TELEPHONE NETWORK

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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.

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This patent is subject to a terminal dis-

claimer.

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(52) U.S. Cl. 379/224; 379/221.08; 379/221.11

(58) Field of Search 379/224, 221.08,

379/221.11

(56) References Cited

U.S. PATENT DOCUMENTS

5,566,236 A	* 10/1996	MeLampy et al	379/210.01
6,028,917 A	2/2000	Creamer et al	379/100.01
6,031,836 A	* 2/2000	Haserodt	370/389

6,078,581 A	6/2000	Shtivelman et al 370/352
6,104,800 A	8/2000	Benson 379/215
6.259.692 B1	7/2001	Shtiyelman et al 370/355

FOREIGN PATENT DOCUMENTS

EP	0 738 093	10/1996	 H04Q/3/00
EP	0 898 431	2/1999	 H04Q/3/00

OTHER PUBLICATIONS

ADC Telecommunications; SS7 NewNet SS7 Tutorial; © Copyright 1999.

* cited by examiner

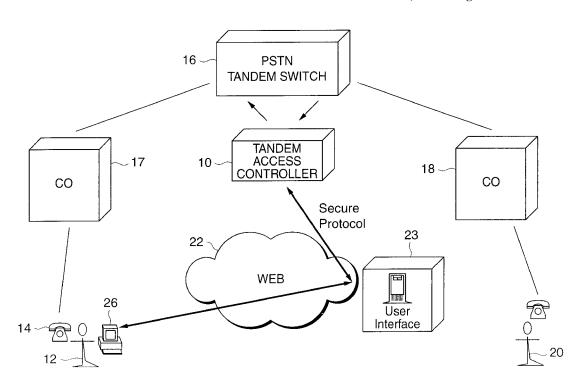
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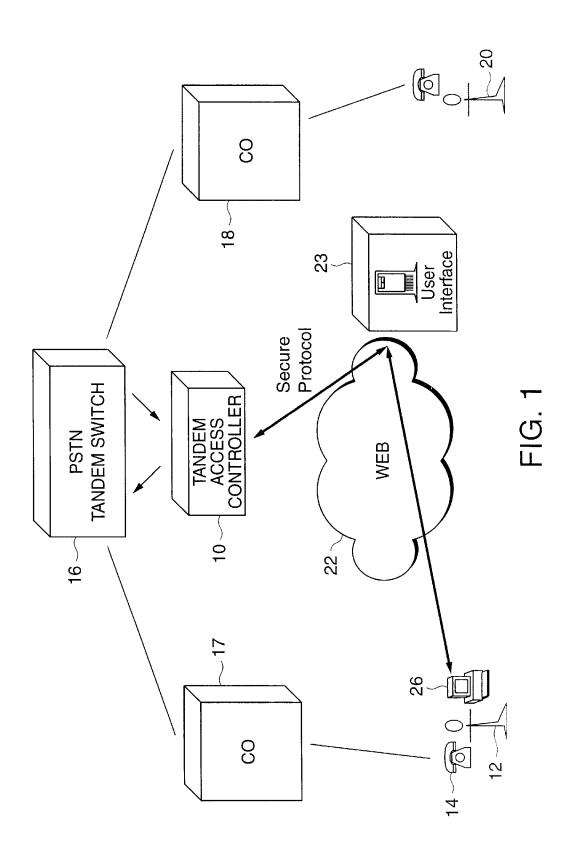
(57) ABSTRACT

In one embodiment, the system includes a processor (referred to herein as a tandem access controller) connected to the PSTN which would allow anyone to directly provision, that is to say set-up and make immediate changes to, the configuration of his or her phone line. In another embodiment, a tandem access controller (TAC) subsystem is connected internally to the PSTN in a local service area. The TAC provides features, selected by the subscriber, to all edge switches connected to the PSTN tandem switch. In one embodiment, the TAC is controlled by the subscriber using the web.

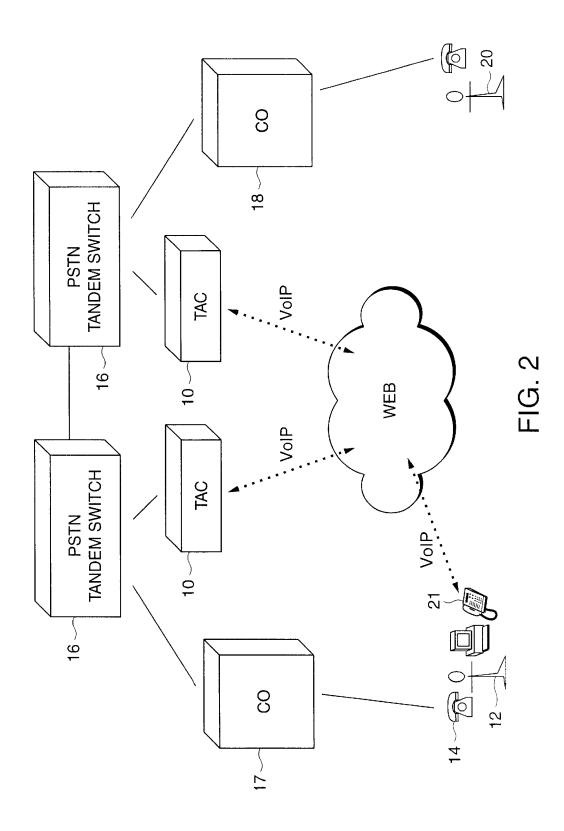
8 Claims, 9 Drawing Sheets



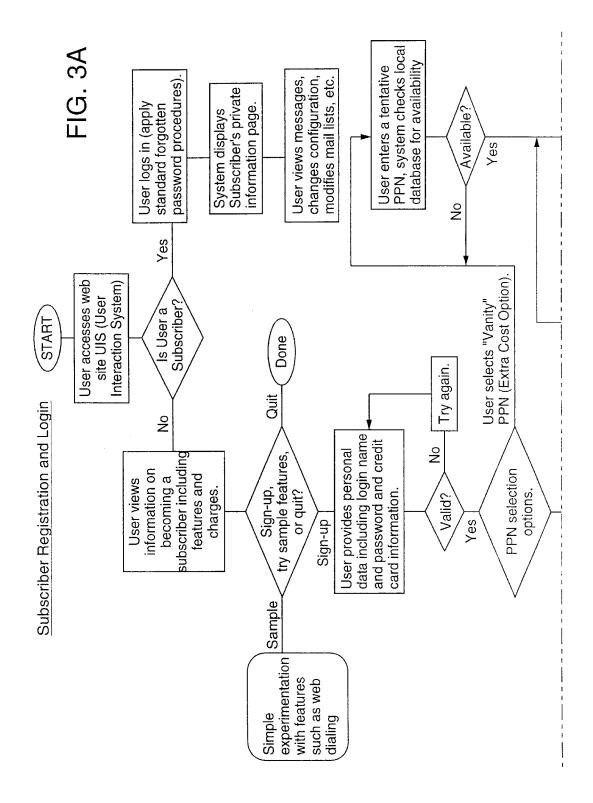




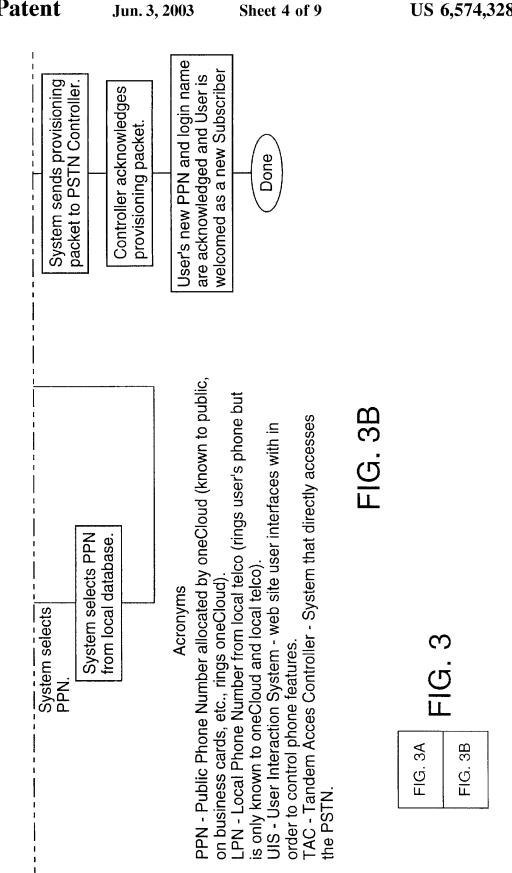












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