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United States Patent [19]

Katz

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[54] **TELEPHONIC-INTERFACE STATISTICAL ANALYSIS SYSTEM**

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[*] Notice: This patent is subject to a terminal disclaimer.

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Related U.S. Application Data

[63] Continuation of application No. 08/473,320, Jun. 7, 1995, which is a continuation of application No. 07/335,923, Apr. 10, 1989, which is a continuation of application No. 07/194,258, May 16, 1988, Pat. No. 4,845,739, which is a continuation-in-part of application No. 07/018,244, Feb. 24, 1987, Pat. No. 4,792,968, which is a continuation-in-part of application No. 06/753,299, Jul. 10, 1985, abandoned.

[51] **Int. Cl.**[7] **H04M 3/51**

[52] **U.S. Cl.** **379/88.2**; 379/127; 379/265

[58] **Field of Search** 379/67.1, 88.01, 379/88.22, 88.23, 88.24, 265, 267, 142, 127, 88.25, 88.26, 88.27, 88.2, 88.21, 266, 309

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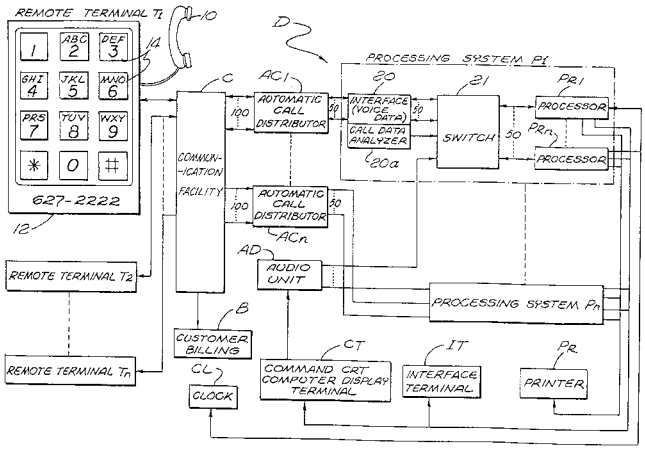
[57] **ABSTRACT**

A system D interfaces with a multiplicity of individual terminals T1–Tn of a telephone network facility C, at the terminals callers are prompted by voice-generated instructions to provide digital data that is identified for positive association with a caller and is stored for processing. The caller's identification data is confirmed using various techniques and callers may be ranked and accounted for on the basis of entitlement; sequence or demographics. Callers are assigned random designations that are stored along with statistical and identification data. A break-off control circuit may terminate the computer interface aborting to a terminal for direct communication with an operator. Real-time operation processing is an alternative to stored data. The accumulation of stored data (statistical, calling order sequence, etc.) is variously processed and correlated as with developed or established data to isolate a select group or subset of callers who can be readily identified and reliably confirmed. Different program formats variously control the processing of statistical data as for auction sales, contests, lotteries, polls, commercials and so on.

13 Claims, 6 Drawing Sheets