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# United States Patent [19]

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Scherer

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- [54] **CALL PROCESSING SYSTEM WITH CALL SCREENING**
- [76] Inventor: **Gordon F. Scherer**, 1190 S. Sunbury Rd., Westerville, Ohio 43081
- [21] Appl. No.: **633,507**
- [22] Filed: **Apr. 17, 1996**
- [51] Int. Cl.<sup>6</sup> ..... **H04M 1/64**
- [52] U.S. Cl. .... **379/88; 379/112; 379/127; 379/229; 379/243; 379/245**
- [58] **Field of Search** ..... 379/67, 88, 89, 379/220, 221, 111, 112, 113, 114, 115, 127, 133, 142, 201, 210, 211, 212, 213, 265, 266, 230, 309, 245, 246, 249, 258, 243

5,255,309	10/1993	Katz	379/88
5,259,023	11/1993	Katz	379/88
5,297,197	3/1994	Katz	379/204
5,311,572	5/1994	Friedes et al.	379/89
5,349,633	9/1994	Katz	379/88
5,351,285	9/1994	Katz	379/94
5,355,406	10/1994	Chencinski et al.	379/88
5,359,645	10/1994	Katz	379/93
5,365,575	11/1994	Katz	379/92
5,375,161	12/1994	Fuller et al.	379/57
5,442,688	8/1995	Katz	379/156
5,446,774	8/1995	Friedes	379/266
5,574,776	11/1996	Leuca et al.	379/113
5,594,784	1/1997	Velius	379/217
5,625,680	4/1997	Foladare et al.	379/243

### OTHER PUBLICATIONS

- Harris Corp. Slide Presentation (25 pages) –date uncertain V&H Coordinates Data, Bellcore, pp. 1–5 and Appendix A–1, pp. 1–6, Jan. 15, 1996.
- Local Exchange Routing Guide General Information, Bell Communications Research, Dec. 1, 1995, Section 1, pp. 168–173.
- Nxxttype Matrix, Sep. 22, 1995, Timothy G. Mulligan (1 pg). Appendix A: SS7 Messages, Generic Requirements for Call Control Using ISDNUP, Feb. 1994, Issue 1, pp. A–1 to A–8.

*Primary Examiner*—Fan S. Tsang  
*Attorney, Agent, or Firm*—Standley & Gilcrest

### [56] References Cited

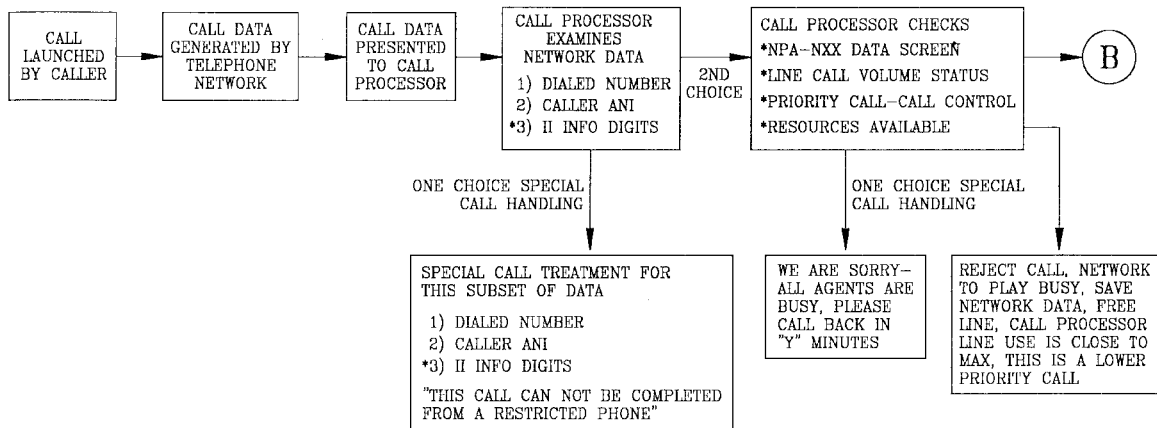
#### U.S. PATENT DOCUMENTS

4,792,968	12/1988	Katz	379/92
4,845,739	7/1989	Katz	379/92
4,930,150	5/1990	Katz	379/93
4,932,046	6/1990	Katz et al.	379/32
4,939,773	7/1990	Katz	379/204
4,975,945	12/1990	Carbullido	379/212
4,987,590	1/1991	Katz	379/204
5,014,298	5/1991	Katz	379/93
5,016,270	5/1991	Katz	379/92
5,018,191	5/1991	Catron et al.	379/207
5,048,075	9/1991	Katz	379/92
5,073,929	12/1991	Katz	379/93
5,091,933	2/1992	Katz	379/204
5,109,404	4/1992	Katz et al.	379/88
5,128,984	7/1992	Katz	379/88
5,185,787	2/1993	Katz	379/204
5,218,631	6/1993	Katz	379/88
5,224,153	6/1993	Katz	379/93
5,251,252	10/1993	Katz	379/92

### [57] ABSTRACT

A system is described in which call processing considers unique information about the call to better serve the caller and/or to enable the called party to more efficiently handle the call. In one embodiment, the unique information considered by the call processor is information indicator digits, which may indicate to the called party whether to accept the call before the voice portion of the call is initiated.

### 10 Claims, 9 Drawing Sheets



MAX EXHIBIT 1000

FIGURE 1A

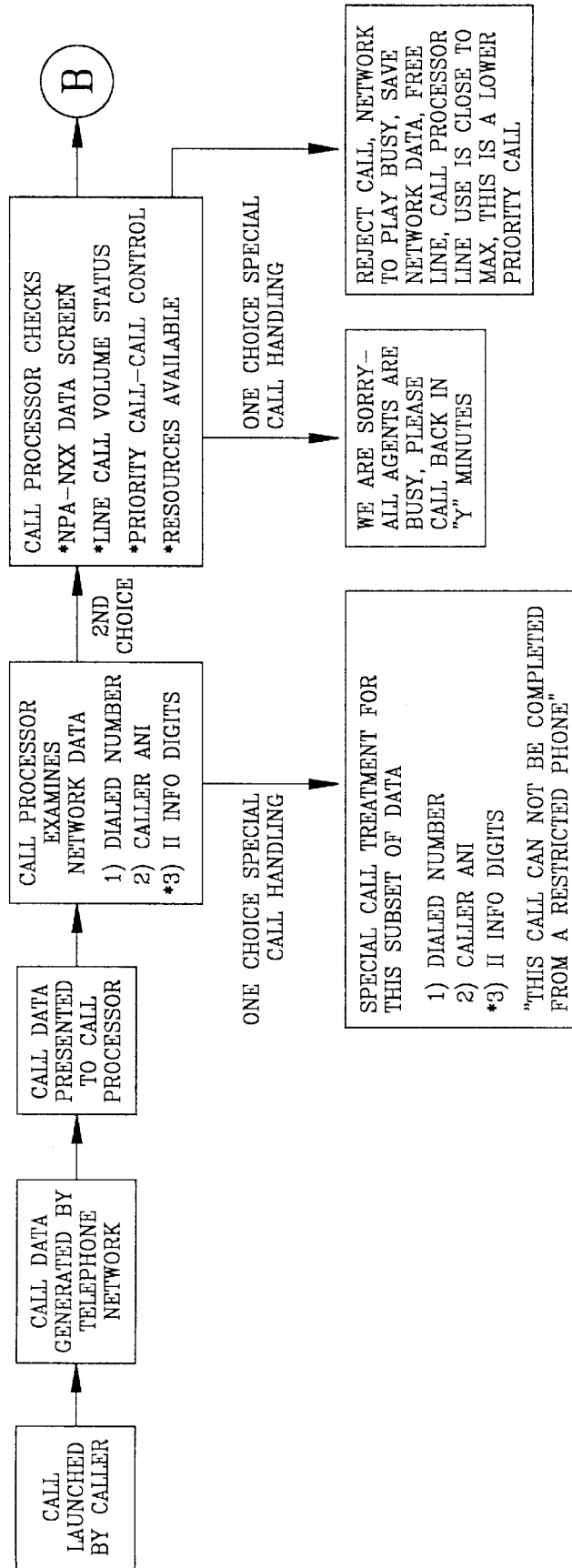


FIGURE 1B

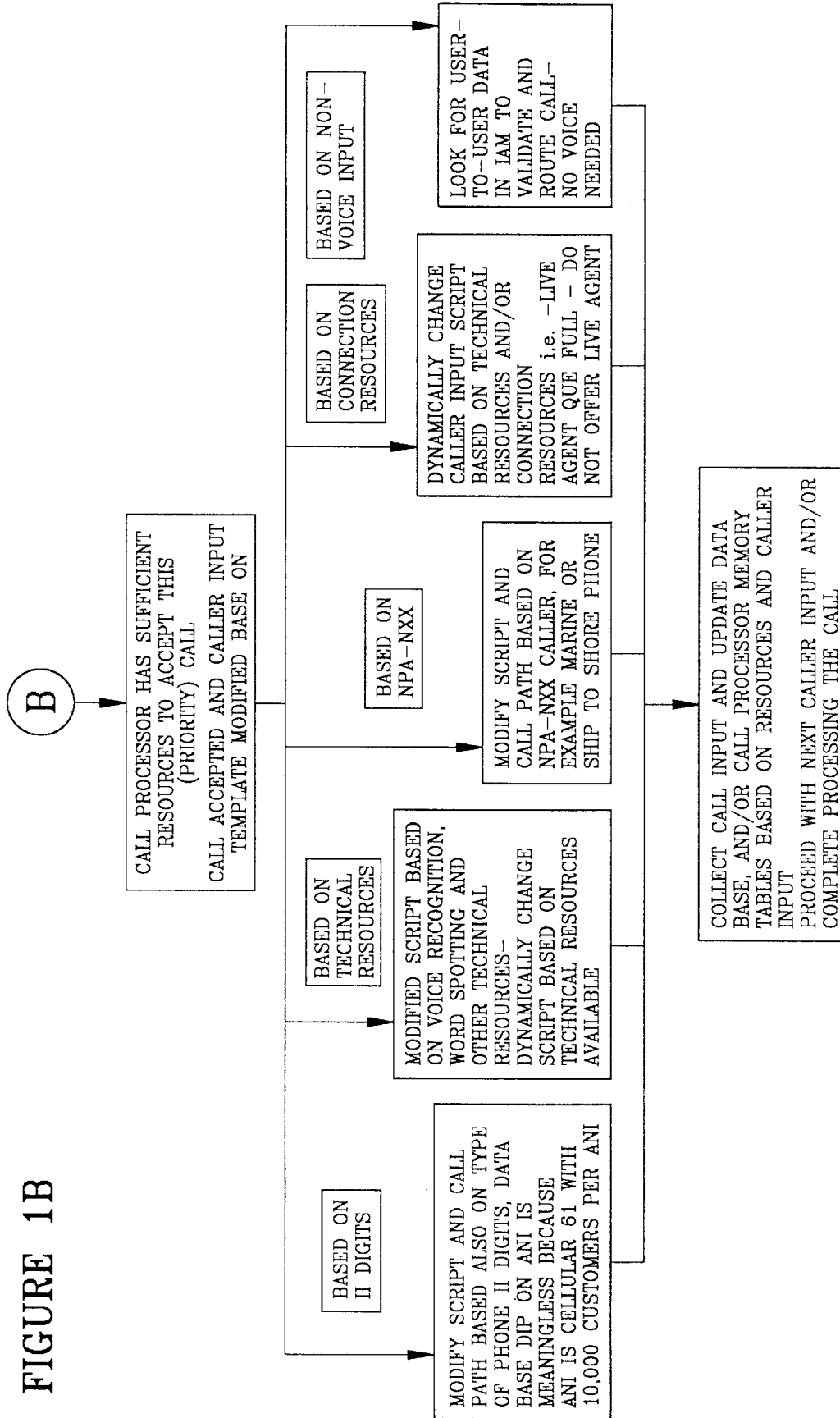


FIGURE #2: SIMPLIFIED CALL FLOW - CALL DATA TRAVELS SEPARATELY FROM VOICE PATH OF CALL.

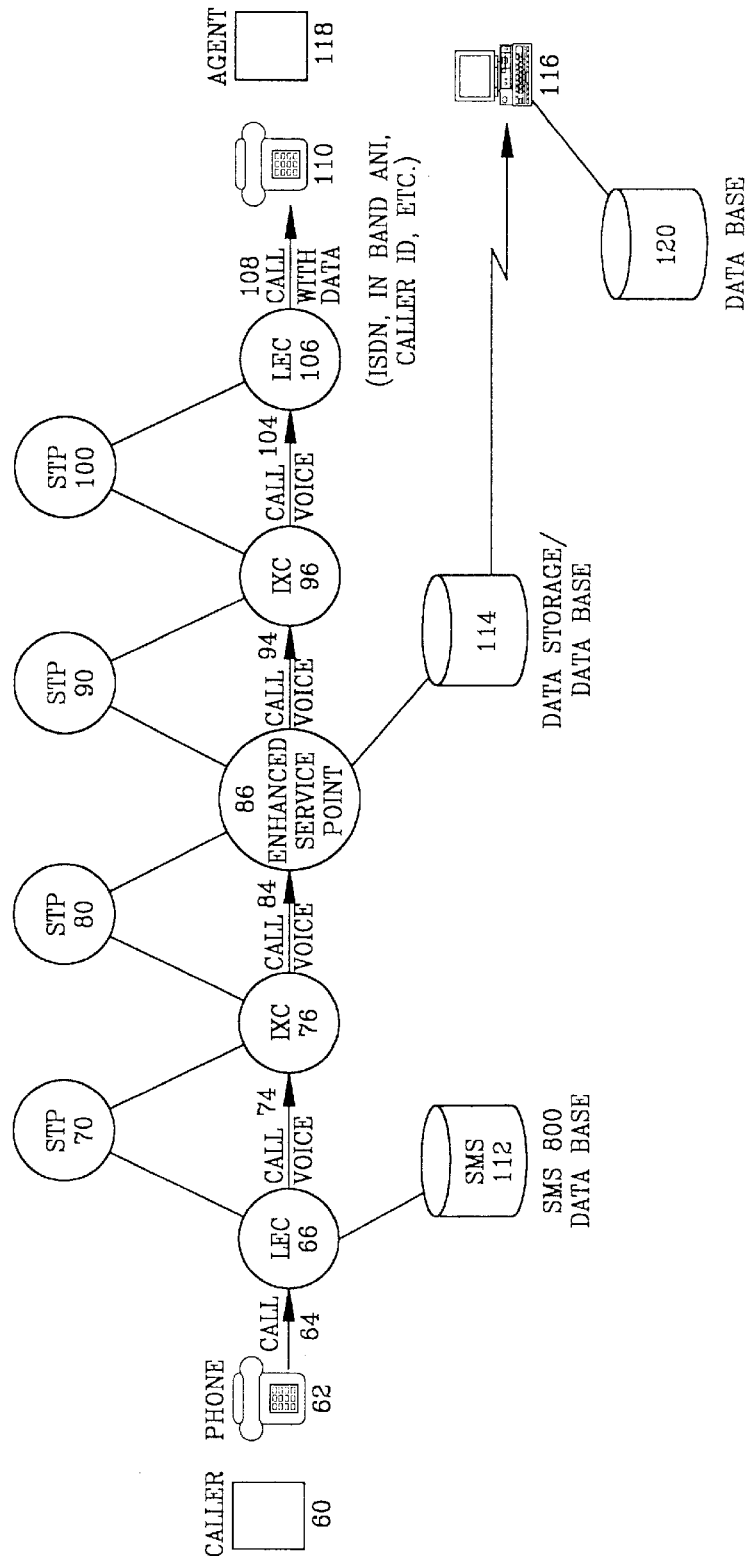
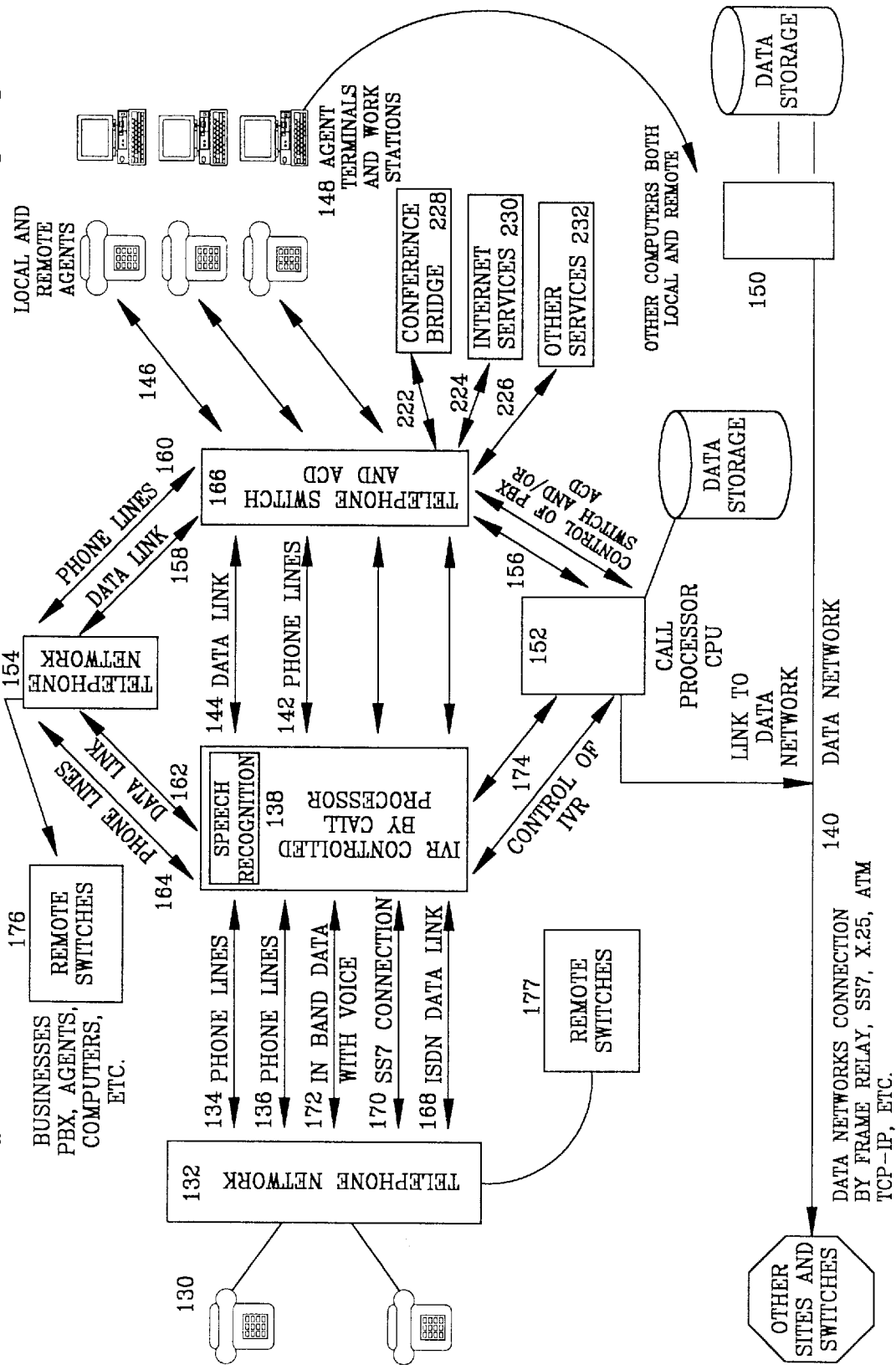


FIGURE #3: EXAMPLE: WITH CALL PROCESSING AND IVR BEFORE SWITCH [166]



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