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**United States Patent** [19]  
**Schwarzer et al.**

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[45] **Date of Patent:** **Jul. 1, 1997**

- [54] **TELECOMMUNICATIONS TERMINAL INTERFACE FOR CONTROL BY PREDETERMINED GESTURES**
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**Hans-Joachim Nielen**,  
Korntal-Münchingen, both of Germany
- [73] Assignee: **Alcatel N.V.**, Rijswijk, Netherlands
- [21] Appl. No.: **407,752**
- [22] Filed: **Mar. 15, 1995**
- [30] **Foreign Application Priority Data**  
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- [51] **Int. Cl.<sup>6</sup>** ..... **H04M 11/00**
- [52] **U.S. Cl.** ..... **379/93.19; 379/354; 379/387; 178/18; 364/514 A; 364/709.11**
- [58] **Field of Search** ..... 379/90, 93, 96-100, 379/110, 201, 207, 354-357, 387; 345/173, 104; 178/17 R, 17 A-17 E, 18-20; 348/14; 364/709.01, 709.11, 514 A, 514 R
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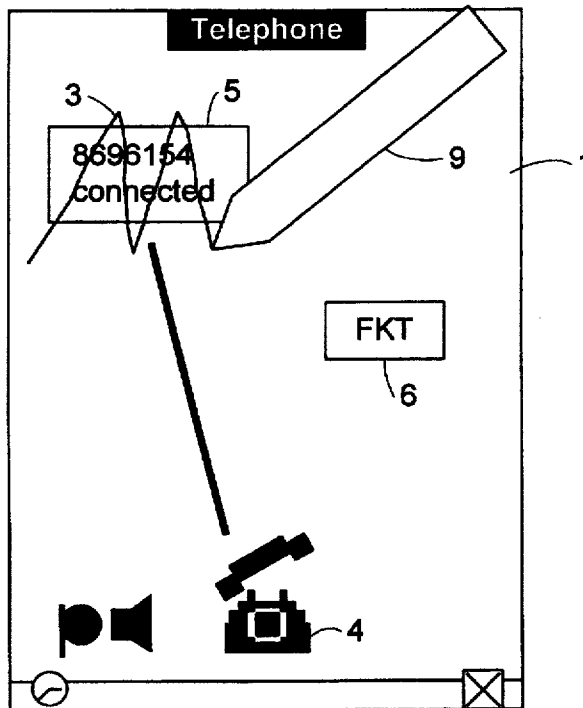
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**ABSTRACT**

[57] A telecommunications terminal is to be provided which is easy to operate. According to the invention, a large-area touch-sensitive input-output unit with handwriting and graphics recognition is incorporated into the terminal, so that the functions of the terminal are activated or deactivated by inputting predetermined graphic elements (so-called gestures).

**15 Claims, 10 Drawing Sheets**



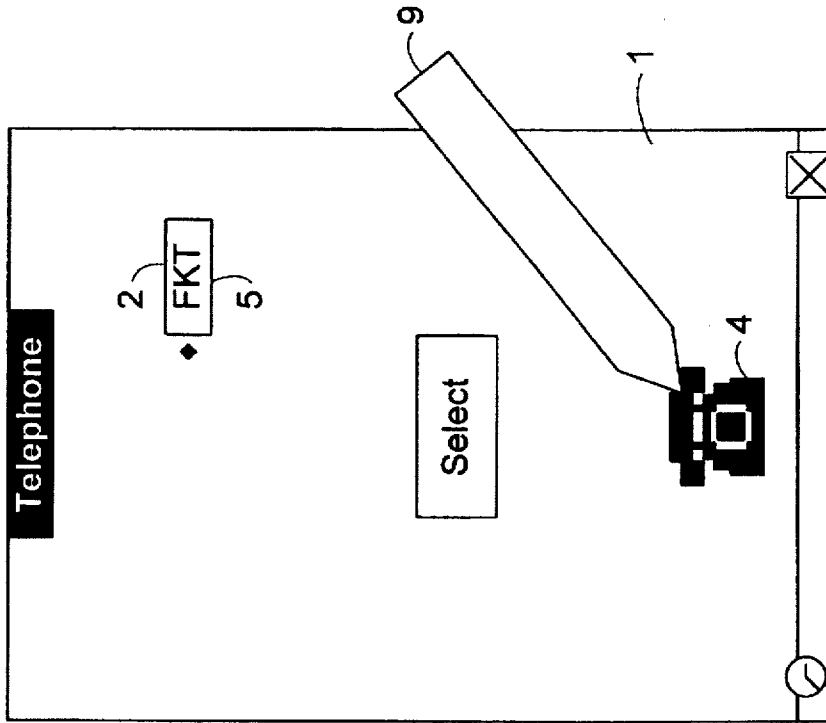


FIG. 1B

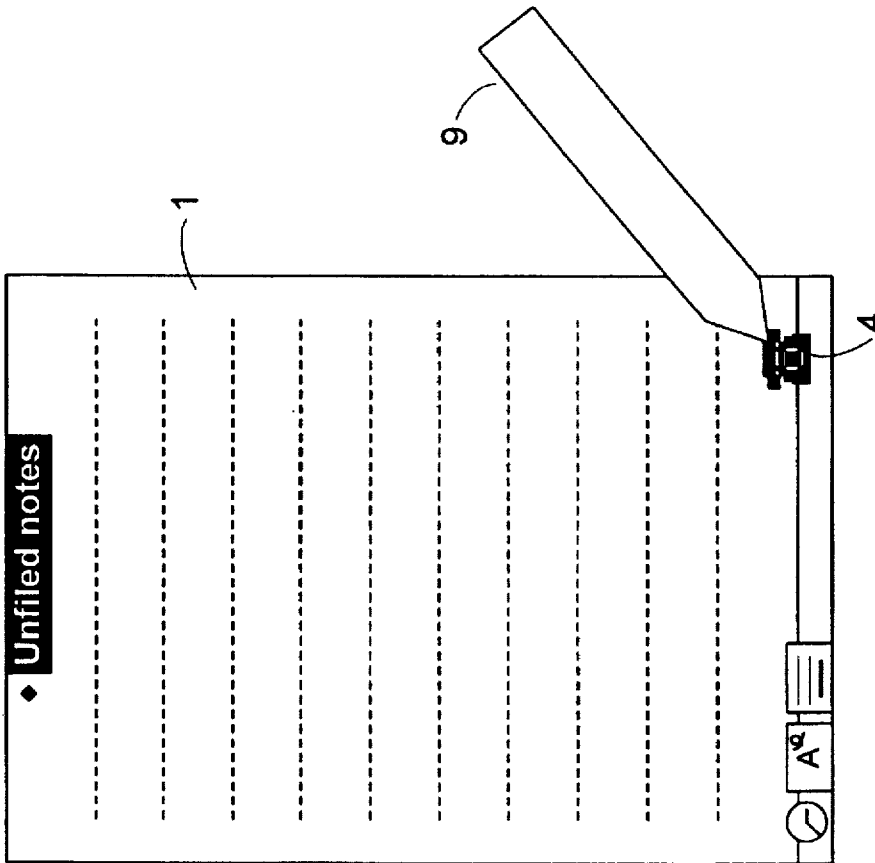


FIG. 1A

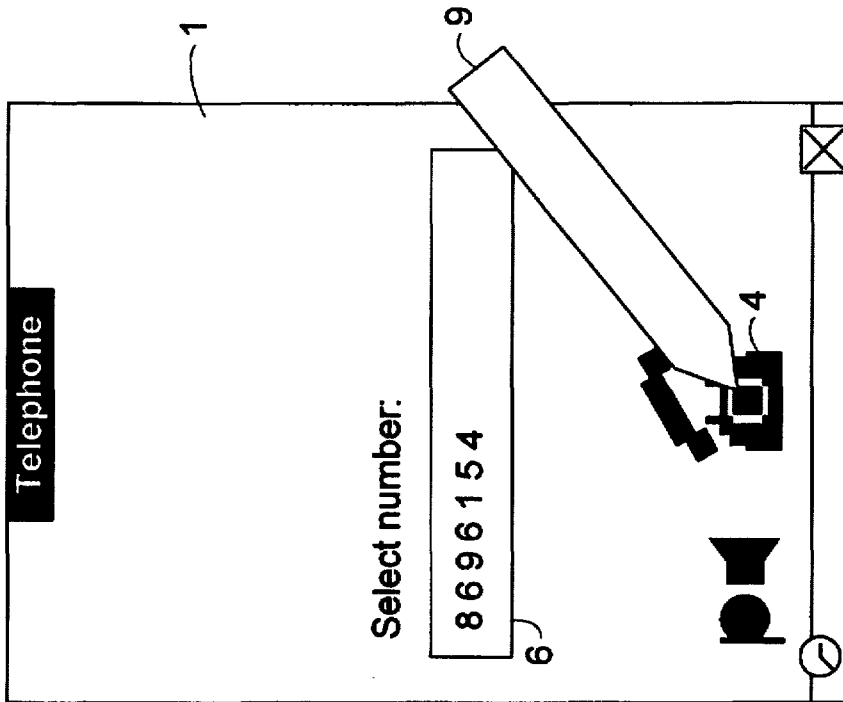


FIG. 1D

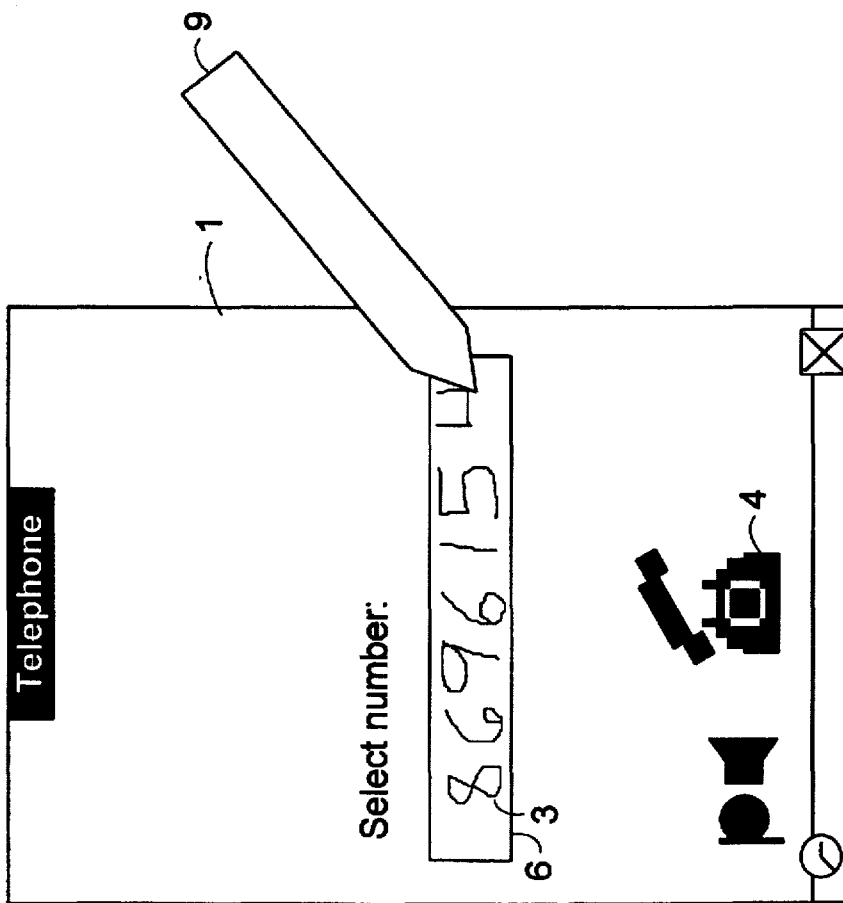


FIG. 1C

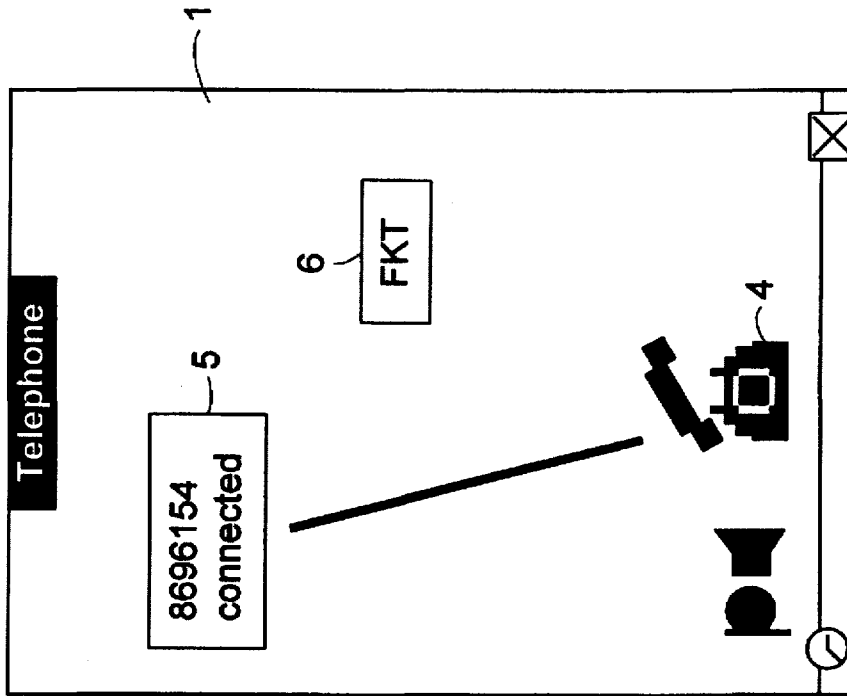


FIG. 1E

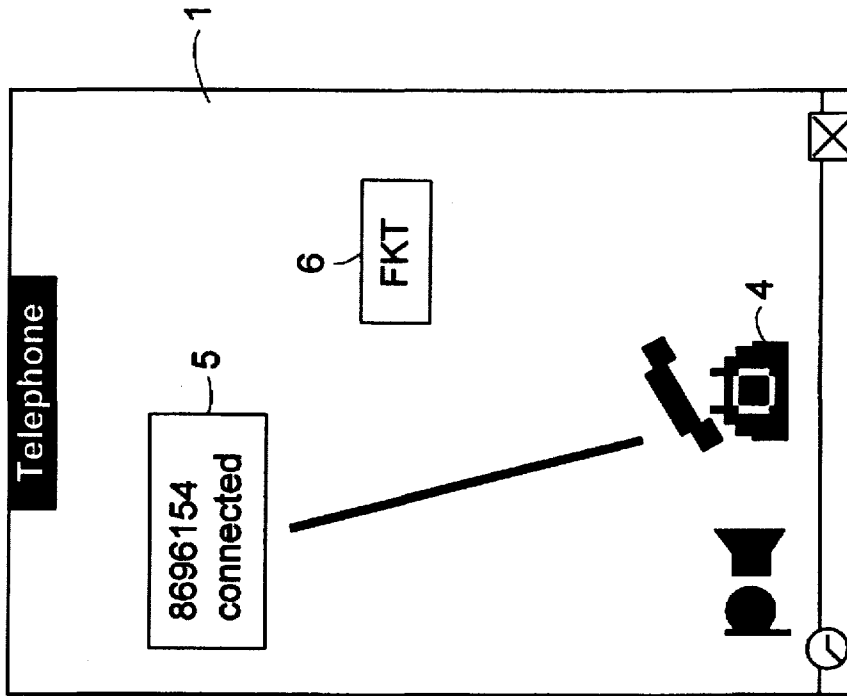


FIG. 1F

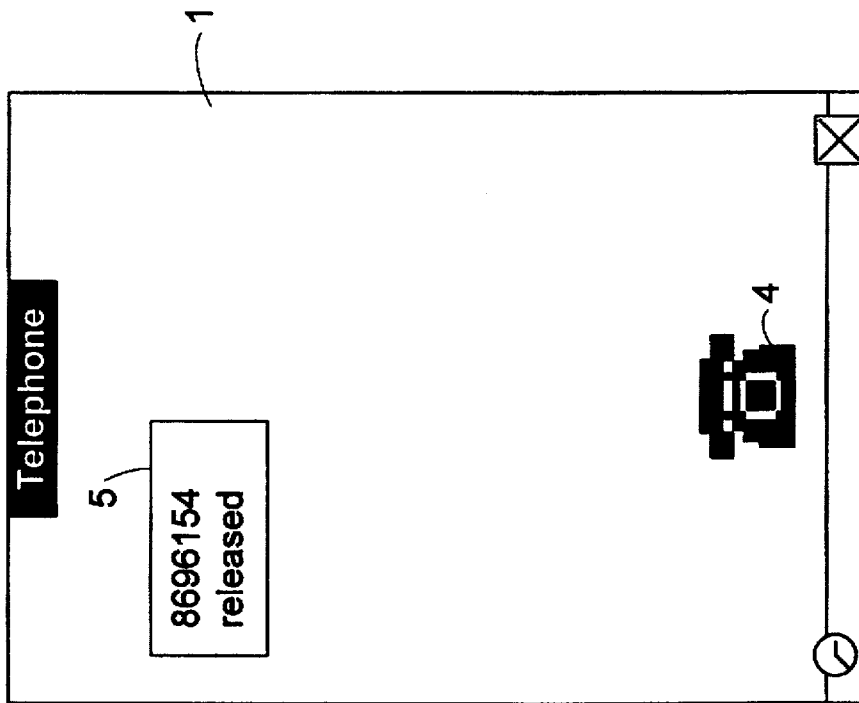


FIG. 1H

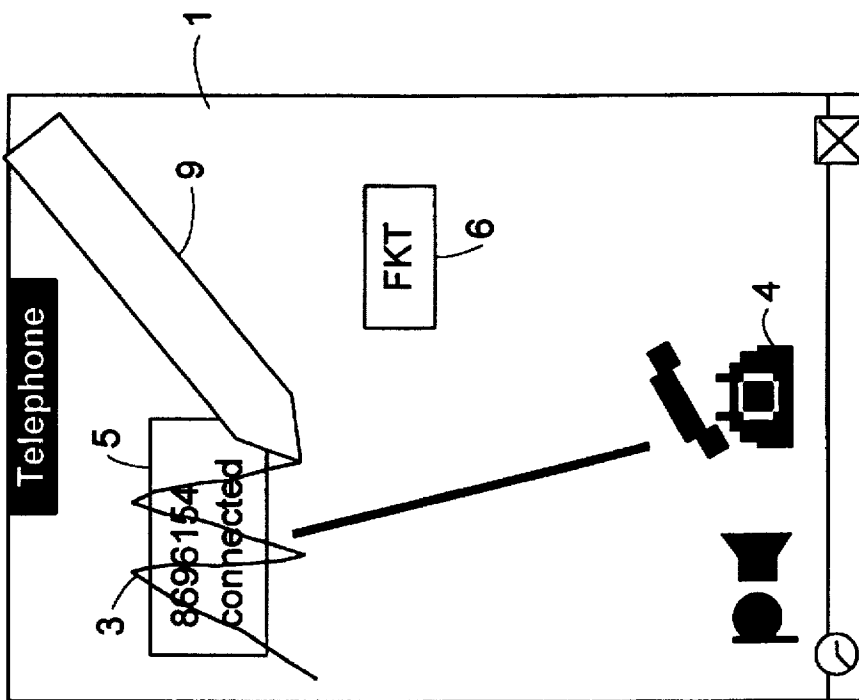


FIG. 1G

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