## United States Patent [19]

### Inagami

#### [54] MOBILE TELEPHONE TERMINAL HAVING SELECTIVELY USED PROCESSOR UNIT FOR LOW POWER CONSUMPTION

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- Fujitsu Limited, Kawasaki, Japan [73] Assignee:
- [21] Appl. No.: 354,989
- May 22, 1989 [22] Filed:

#### [30] Foreign Application Priority Data

May 21, 1988 [JP] Japan ..... 63-123006

- [51] Int. Cl.<sup>5</sup> ..... H04B 1/38; H04B 1/16
- [52] U.S. Cl. ...... 455/89; 455/343;
- 379/61 Field of Search ...... 455/343, 89-90, [58]
- 455/127; 379/61, 63; 320/31-32; 340/311.1, 825.44, 825.48

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#### 5,058,203 **Patent Number:** [11]

#### **Date of Patent:** Oct. 15, 1991 [45]

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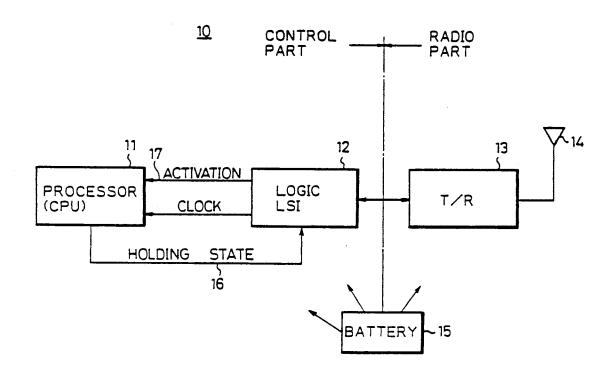
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Primary Examiner-Reinhard J. Eisenzopf Assistant Examiner-Andrew Faile Attorney, Agent, or Firm-Staas & Halsey

#### [57] ABSTRACT

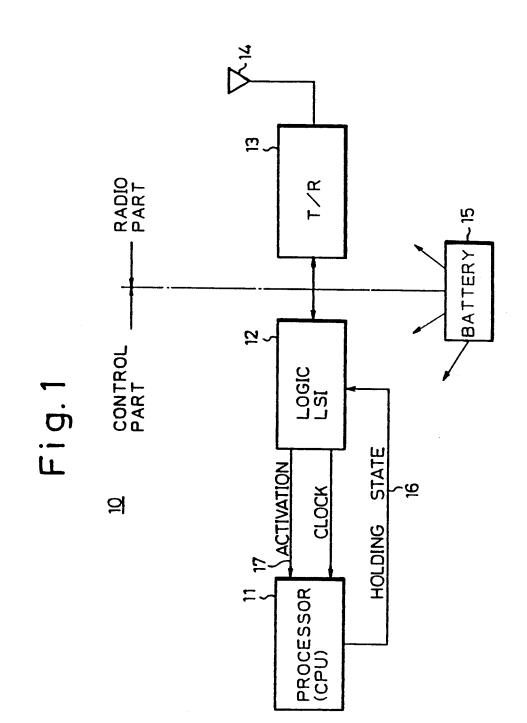
A mobile telephone terminal powered by a battery, which terminal is mainly comprised of a processor unit and a logic LSI unit as a control part thereof. The processor unit handles first control functions which are not used frequently but which are complicated and operate at a high clock speed. The logic LSI unit handles second control functions which are used constantly and frequently at a low clock speed. The processor unit is activated intermittently on demand by the logic LSI unit and thereby reduces power consumption.

#### 18 Claims, 11 Drawing Sheets



[56]

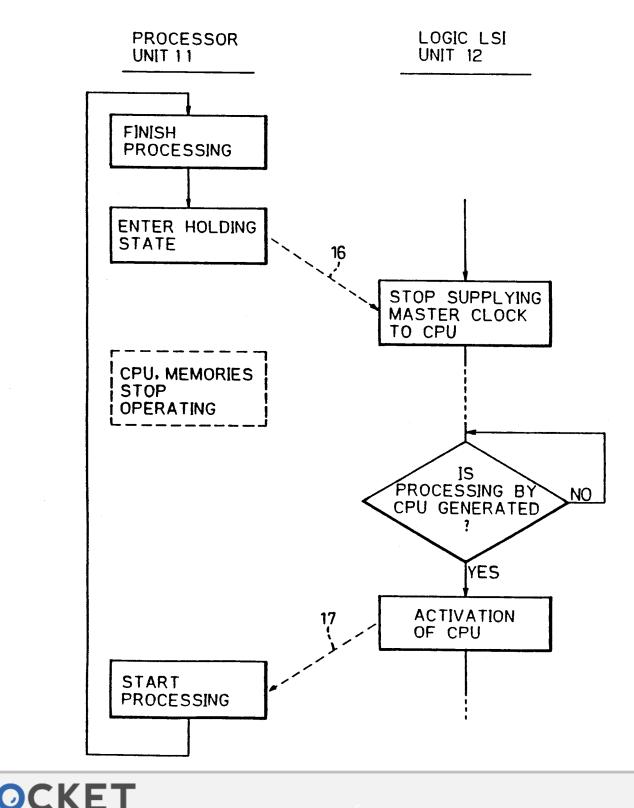
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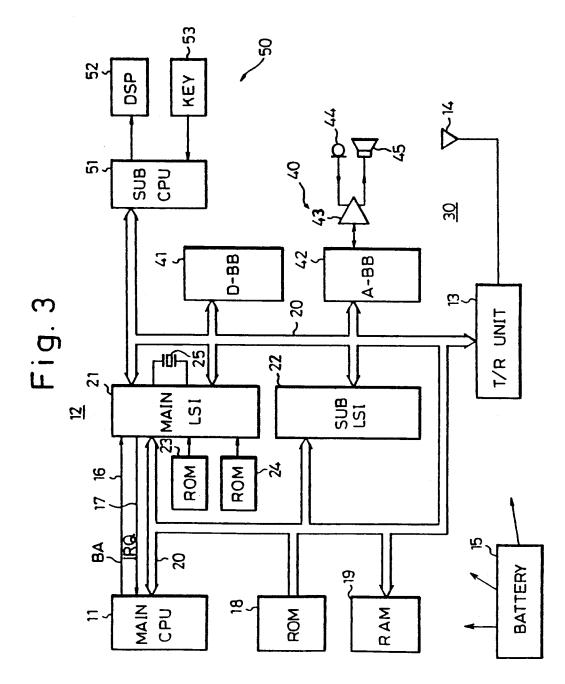
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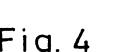


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Fig. 4



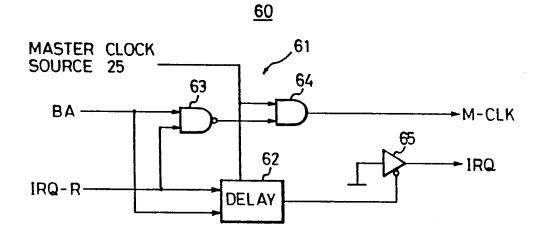
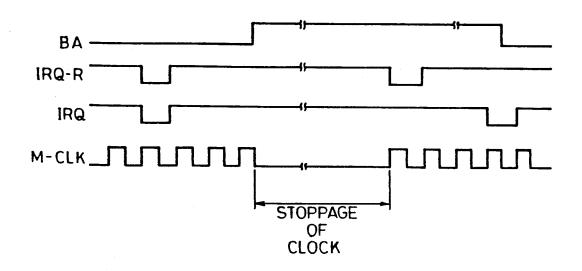


Fig. 5



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