

US007278033B2

# (12) United States Patent Mylly

# (54) METHOD AND A SYSTEM FOR DETERMINING THE POWER CONSUMPTION IN CONNECTION WITH AN ELECTRONIC DEVICE, AND AN ELECTRONIC DEVICE

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(52) U.S. Cl. ...... 713/300; 713/320; 713/322

See application file for complete search history.

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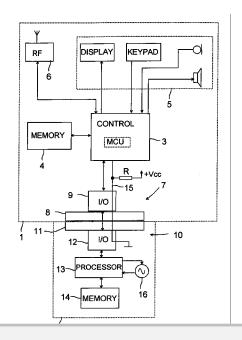
<sup>\*</sup> cited by examiner

Primary Examiner—Chun Cao Assistant Examiner—Ji H Bae

#### (57) ABSTRACT

The present invention relates to a method and a system for determining the power consumption in an electronic device, to which a peripheral device is connected, to which the power is supplied from the electronic device. At least a first maximum value and a second maximum value, higher than the first maximum value, are determined for the power consumption. Signaling between the electronic device and the peripheral device sets a maximum value for the power consumption of the peripheral device which is between said first and second maximum values. The invention also relates to an electronic device and a peripheral device, in which the method is applied.

## 29 Claims, 4 Drawing Sheets





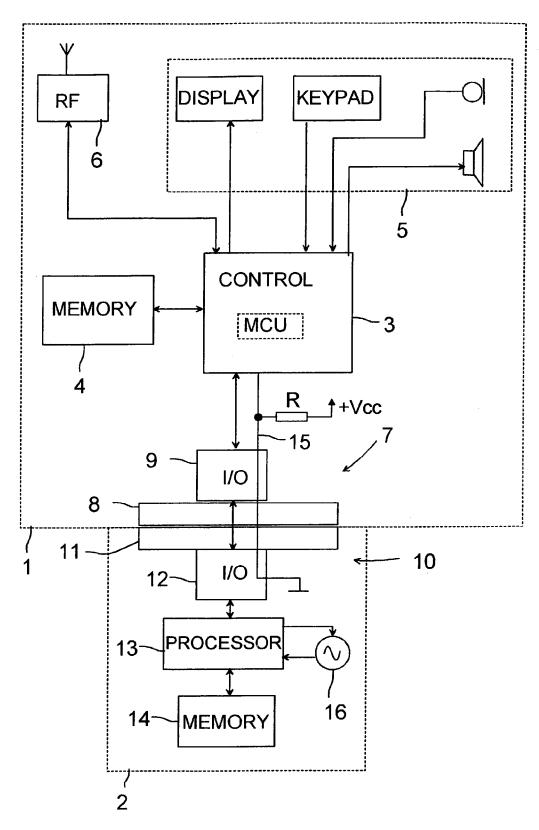
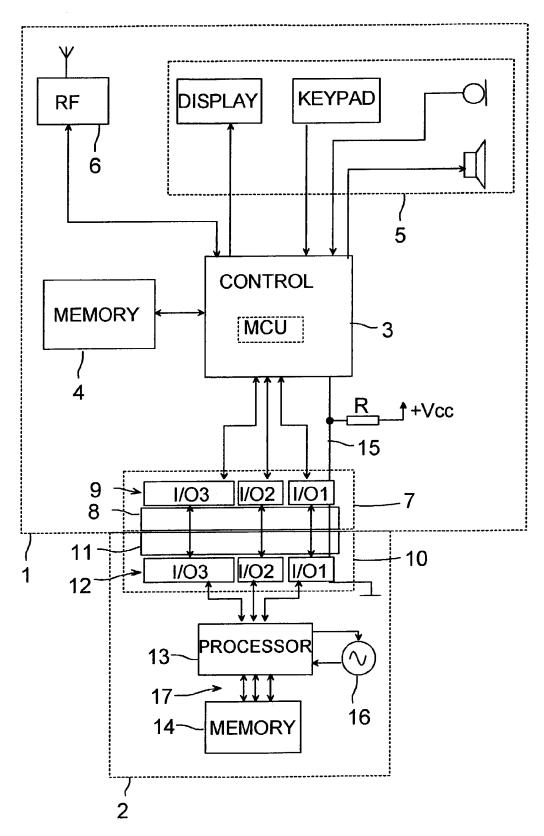


Fig 1





Fia 2



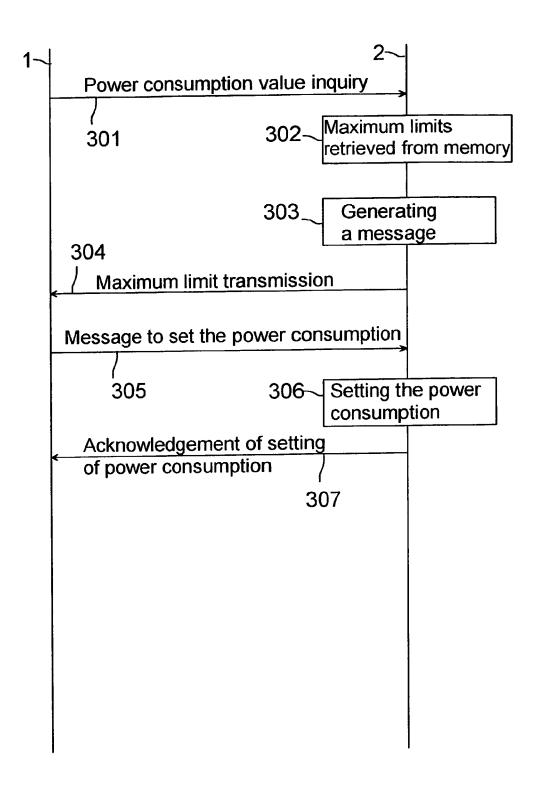


Fig 3



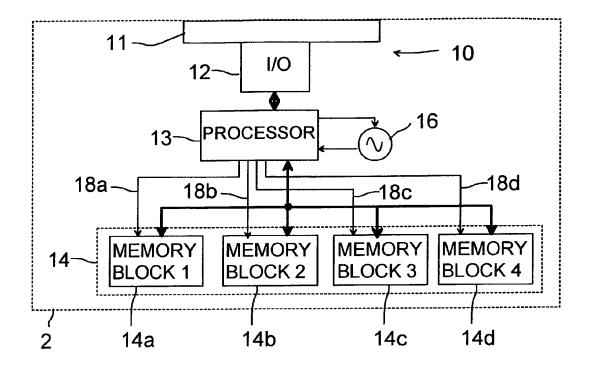


Fig 4



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