

**MICROCONTROLLER WITH A CALLER IDENTIFICATION
UNIT**

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Abstract of the Disclosure

A microcontroller (100) for processing caller information received from a telephone line to display on a display panel of a telecommunication device. The microcontroller (100) includes a central processing unit (160), a display control unit (110) for controlling the display panel, a ring detector (140), a carrier detector (150) for detecting the caller information, memory (120) for storing a plurality of predetermined control parameters, and a caller identification unit (130) for providing the caller information to the display control unit (110). Within the caller identification unit (130), a power management (134) unit controls a power supply (170) to a signal demodulator (132), based on the plurality of predetermined control parameters, to process the caller information. Of the plurality of predetermined control parameters, a first control parameter enables the power supply and a second control parameter disables the power supply (170) to the signal demodulator (132).

