US006151238A

United States Patent [19]

Smit et al.

[11] Patent Number: 6,151,238

[45] Date of Patent: Nov. 21, 2000

[54] **CALIBRATING FUNCTIONS OF AN INTEGRATED CIRCUIT AND STORING CALIBRATION PARAMETERS THEREOF IN A PROGRAMMABLE FUSE ARRAY**

[75] Inventors: **Willem Smit**, Chandler; **Paul Hofhine**, Mesa; **Clark Rogers**, Phoenix, all of Ariz.

[73] Assignee: **Microchip Technology, Inc.**, Chandler, Ariz.

[21] Appl. No.: **09/256,598**

[22] Filed: **Feb. 23, 1999**

[51] **Int. Cl.**[7] **G11C 17/00**

[52] **U.S. Cl.** **365/96**; 365/225.7

[58] **Field of Search** 365/96, 225.7; 713/1; 714/3

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Primary Examiner—David Nelms
Assistant Examiner—Gene N. Auduong
Attorney, Agent, or Firm—Baker Botts L.L.P.

[57] **ABSTRACT**

An integrated circuit having a microcontroller, mask programmed read only memory, functions such as clock oscillator, analog-to-digital converter, timers, etc., where each may be adjusted with a digital input to a desired calibration value. The digital input resulting in the desired calibration value being stored in a programmable fuse array.

32 Claims, 5 Drawing Sheets

