

TIME-TO-DIGITAL CONVERTOR-BASED DEVICE

Abstract

5 Disclosed is a time-to-digital converter (TDC)-based device comprising a crossbar array for generating a current, a current-controlled delay line 104 for converting the current received from the crossbar array into a time pulse, and a TDC circuit 106 for measuring and converting the time pulse into digital output.

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[Figure 1a]