



US 20220407521A1

(19) **United States**(12) **Patent Application Publication**
LAI(10) **Pub. No.: US 2022/0407521 A1**(43) **Pub. Date: Dec. 22, 2022**(54) **SIGNAL GENERATION CIRCUIT,
MICRO-CONTROLLER, AND CONTROL
METHOD THEREOF***H03K 19/1776* (2006.01)*H03K 19/17736* (2006.01)*H03M 1/80* (2006.01)(71) Applicant: **Nuvoton Technology Corporation,**
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(TW)(21) Appl. No.: **17/833,970**(22) Filed: **Jun. 7, 2022**(30) **Foreign Application Priority Data**

Jun. 18, 2021 (TW) 110122278

Publication Classification(51) **Int. Cl.***H03K 19/17764* (2006.01)*H03K 19/17772* (2006.01)(52) **U.S. Cl.**CPC . *H03K 19/17764* (2013.01); *H03K 19/17772*
(2013.01); *H03K 19/1776* (2013.01); *H03K*
19/1774 (2013.01); *H03M 1/808* (2013.01)

(57)

ABSTRACT

A signal generation circuit including a first control circuit, a second control circuit, an arbiter circuit, and a digital-to-analog converter (DAC) circuit is provided. The first control circuit stores a first string of data. The first control circuit enables a first trigger signal in response to a first event occurring. The second control circuit stores a second string of data. The second control circuit enables a second trigger signal in response to a second event occurring. The arbiter circuit reads the first or second control circuit according to the order of priority to use the first string of data or the second string of data as a digital input in response to the first and second trigger signals being enabled. The DAC circuit converts the digital input to generate an analog output.

