

(19) **United States**(12) **Patent Application Publication**
CHO et al.(10) **Pub. No.: US 2022/0368337 A1**(43) **Pub. Date: Nov. 17, 2022**(54) **CURRENT STEERING
DIGITAL-TO-ANALOG CONVERTER AND
INTEGRATED CIRCUIT INCLUDING THE
SAME**(71) Applicant: **SAMSUNG ELECTRONICS CO.,
LTD., SUWON-SI (KR)**(72) Inventors: **Youngsea CHO, SEONGNAM-SI
(KR); Wan Kim, HWASEONG-SI
(KR); Jiseon Paek, Suwon-Si (KR);
Seunghyun Oh, Seoul (KR)**(21) Appl. No.: **17/673,127**(22) Filed: **Feb. 16, 2022**(30) **Foreign Application Priority Data**

May 13, 2021 (KR) 10-2021-0062159

Publication Classification(51) **Int. Cl.**
H03M 1/06 (2006.01)(52) **U.S. Cl.**
CPC **H03M 1/0617** (2013.01)(57) **ABSTRACT**

A current steering digital-to-analog converter includes a plurality of current cells each including a current source circuit and a current switch circuit to selectively output a current in response to a first input signal corresponding to a digital signal; a dummy current cell including a dummy current source circuit and a dummy current switch circuit to output a current in response to a second input signal; and a current switch bias circuit coupled to the dummy current cell to track a first voltage of an internal node of the dummy current source circuit and configured to generate a first bias voltage applied to the current switch circuit.

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