



US 20220416792A1

(19) **United States**(12) **Patent Application Publication**  
**KUMAR et al.**(10) **Pub. No.: US 2022/0416792 A1**(43) **Pub. Date: Dec. 29, 2022**(54) **INTEGRATED CIRCUIT WITH OUTPUT  
DRIVER THAT COMPENSATES FOR  
SUPPLY VOLTAGE VARIATIONS****Publication Classification**(51) **Int. Cl.****H03K 19/0185** (2006.01)**H03K 19/003** (2006.01)(52) **U.S. Cl.****CPC** ..... **H03K 19/018521** (2013.01); **H03K 19/00384** (2013.01)(71) Applicant: **STMicroelectronics International  
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N.V., Geneva (CH)**(21) Appl. No.: **17/843,693**(22) Filed: **Jun. 17, 2022****Related U.S. Application Data**

(60) Provisional application No. 63/214,721, filed on Jun. 24, 2021.

(57) **ABSTRACT**

An integrated circuit includes an output pad, and I/O driver that drives data to the output pad, and a predriver that controls the I/O driver. The integrated circuit includes maximum voltage generator that receives a first supply voltage and a second supply voltage and outputs to the predriver a maximum voltage corresponding to the higher of the first supply voltage and the second supply voltage.

