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CHELLAMUTHU et al.(10) **Pub. No.: US 2022/0407516 A1**(43) **Pub. Date: Dec. 22, 2022**(54) **SOFT HANDOVER IN A COUPLED
DUAL-OSCILLATOR SYSTEM****H03B 5/12** (2006.01)**H03K 17/732** (2006.01)(71) Applicant: **TEXAS INSTRUMENTS
INCORPORATED**, Dallas, TX (US)(52) **U.S. Cl.**CPC **H03K 17/9542** (2013.01); **H03B 5/04**
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ABSTRACT

A system includes a sensor integrated circuit (IC), including a driver adapted to be coupled to an oscillator, the driver including first and second transistors. The sensor IC includes an amplitude control amplifier coupled to the first transistor. The sensor IC also includes a common mode control amplifier coupled to the second transistor. The sensor IC includes a handover control circuit coupled to the amplitude control amplifier and configured to hand off an operation from the sensor IC to a different sensor IC, the handover control circuit including a resistor network coupled to a switch network.

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