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KOGURE et al.(10) **Pub. No.: US 2024/0235484 A1**(43) **Pub. Date: Jul. 11, 2024**(54) **TRACKER MODULE AND
COMMUNICATION DEVICE**(52) **U.S. Cl.**CPC **H03F 1/0222** (2013.01); **H03F 3/245**
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ABSTRACT

A tracker module structure includes a module laminate, an integrated circuit disposed on the module laminate, and a plurality of capacitors that are disposed on the module laminate and includes one or more capacitors in a switched-capacitor circuit. The switched-capacitor circuit is configured to generate a plurality of discrete voltages. The integrated circuit includes a switch that is included in the switched-capacitor circuit and a switch that is included in the supply modulator. The plurality of capacitors include a first flying capacitor and a second flying capacitor that are configured to be charged and discharged in a complementary manner, and a third flying capacitor that is configured to be charged at a same timing as the first flying capacitor and be discharged at a same timing as the first flying capacitor. The second flying capacitor is disposed between the first flying capacitor and the third flying capacitor.

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