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(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2022/0399875 A1**
(43) **Pub. Date: Dec. 15, 2022**(54) **DYNAMIC BAND STEERING FILTER BANK
DIE HAVING FILTER SKIRT MANAGEMENT**(71) Applicant: **Qorvo US, Inc.**, Greensboro, NC (US)(72) Inventors: **Gangadhar Burra**, Fremont, CA (US);
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(57)

ABSTRACT

Disclosed is a filter bank die that includes a first acoustic wave (AW) filter having a first antenna terminal coupled to the antenna port terminal and a first filter terminal, wherein the first AW filter is configured to have a filter skirt with a slope that spans at least a 100 MHz gap between adjacent passbands, and a second AW filter having a second filter terminal, and a second antenna terminal coupled to the first antenna terminal to effectively diplex signals that pass through the first AW filter and the second AW filter.

