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WANG(10) **Pub. No.: US 2022/0360248 A1**(43) **Pub. Date: Nov. 10, 2022**(54) **BULK ACOUSTIC WAVE FILTER AND
MANUFACTURING METHOD THEREOF,
COMMUNICATION DEVICE***H03H 9/05* (2006.01)*H03H 9/02* (2006.01)(52) **U.S. Cl.**CPC *H03H 9/131* (2013.01); *H03H 9/15*
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9/0514 (2013.01); *H03H 9/02007* (2013.01)(71) Applicant: **Newsonic Technologies, Shenzhen**
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A bulk acoustic wave filter, a manufacturing method thereof, and a communication device are disclosed. The bulk acoustic wave filter includes a first filter substrate and a second filter substrate; the first filter substrate includes a first base substrate and a first resonator, a first electrode pad and a first auxiliary pad arranged on the first base substrate; the second filter substrate includes a second base substrate and a second resonator, a second electrode pad and a second auxiliary pad arranged on the second base substrate, the first filter substrate is arranged opposite to the second filter substrate, the first electrode pad and the second auxiliary pad are in contact with each other, and the second electrode pad and the first auxiliary pad are in contact with each other.

