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OSHIMA(10) **Pub. No.: US 2024/0223158 A1**(43) **Pub. Date: Jul. 4, 2024**(54) **ACOUSTIC WAVE FILTER**(52) **U.S. Cl.**(71) Applicant: **Murata Manufacturing Co., Ltd.**,
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An acoustic wave filter includes an acoustic wave resonant circuit in or on at least one of a series arm or a parallel arm. The acoustic wave resonant circuit includes divided resonant devices connected to one another in series. A first divided resonant device among the divided resonant devices includes one first resonator. A second divided resonant device among the divided resonant devices includes two parallel divided resonators connected to each other in parallel. Each of the first resonator and the parallel divided resonators includes an IDT electrode including electrode fingers. An electrode finger pitch of the electrode fingers is different between at least one of the parallel divided resonators and the first resonator.

