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(54) **ACOUSTIC WAVE FILTER INCLUDING  
TWO TYPES OF ACOUSTIC WAVE  
RESONATORS**

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**ABSTRACT**

Aspects of this disclosure relate to a multiplexer, such as a  
duplexer, a quadplexer, a hexaplexer, or the like. The mul-  
tiplexer includes acoustic wave filters coupled to a common  
node. A first acoustic wave filter of the acoustic wave filters  
includes acoustic wave resonators of a first type and a series  
acoustic wave resonator of a second type coupled between  
the acoustic wave resonators of the first type and the  
common node.

