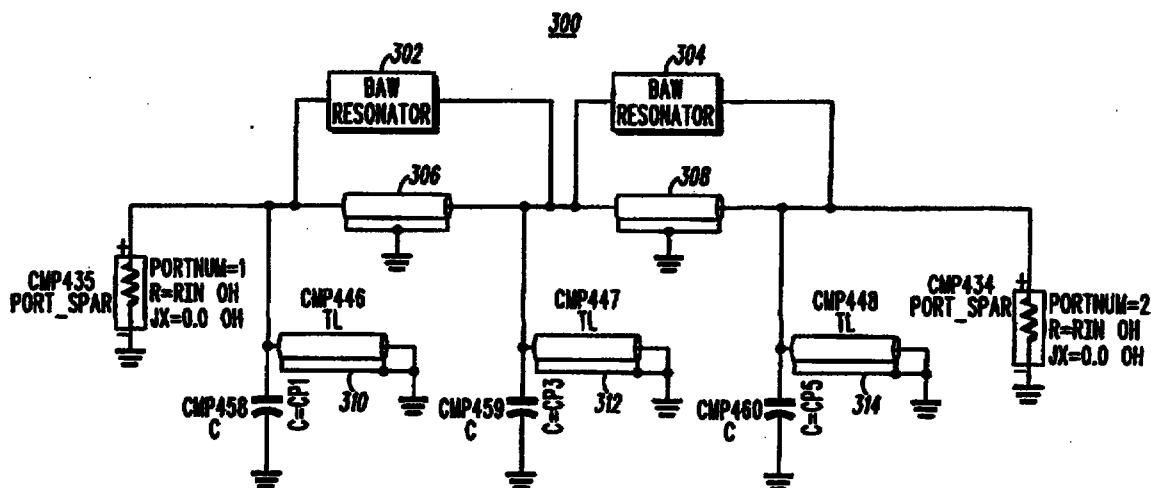




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(54) Title: ELLIPTIC FILTER AND METHOD OF MAKING THE SAME



(57) Abstract

An odd order N-pole, $(N-1)/2$ zero elliptic filter (300) is provided having $(N-1)/2$ BAW resonators (302 and 304). The first Bulk Acoustic Wave (BAW) resonator (302) operates at a first mode number and a first center frequency and the second BAW resonator (304) operates at a second mode number, and a first centre frequency. Operating BAW resonators (302 and 304) at differing modes allows the unwanted passbands (201) of the first BAW resonators (302) to be attenuated by the stopband of the second BAW resonator (304) and vice versa.