a first direct coupling RF signal transmission window defined in the interior of the block between one of the resonators in the first plurality of resonators and a first one of the resonators in the second plurality of resonators for transmitting an RF signal directly from the first plurality of resonators into the second plurality of resonators;

a first indirect cross-coupling RF signal transmission means defined by an external transmission line extending between a second one of the resonators in the first plurality of resonators and a second one of the resonators in the second plurality of resonators for transmitting the RF signal between the second ones of the resonators in the first and second plurality of resonators; and

a second indirect cross-coupling RF signal transmission means defined by an internal window in the interior of the block of dielectric material located between a third one of the resonators in the first plurality of resonators and a third one of the resonators in the second plurality of resonators for transmitting the RF signal between the third ones of the resonators in the first and second plurality of resonators.

22. The dielectric waveguide filter of claim 21 wherein the first and second plurality of resonators are arranged on first and second blocks of dielectric material which have been coupled together.

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Of Anand and Anand Advocates
Agents for the Applicants