

ABSTRACT OF THE DISCLOSURE

In a combiner filter for a cellular telephone system, there is a coaxial resonator which includes a rectangular cavity. Within the rectangular cavity, there is a central conductor having an oval shaped plate. The central conductor and oval shaped plate are displaced within the rectangular cavity to establish the fundamental resonator frequency. Adjacent to the central conductor plate is a rotatable I-beam shaped element which is preferably rotated by a shaft coupled to a stepper motor. The rotation of the I-beam shaped element provides frequency adjustment or tuning for the coaxial resonator.

