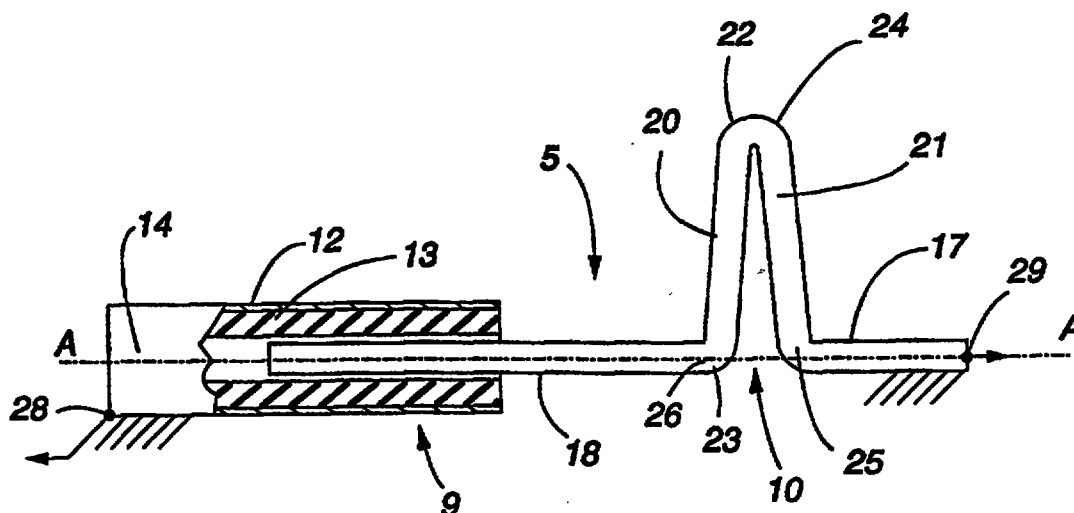


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(54) Title: CONTINUOUSLY ADJUSTABLE RESONATOR**(57) Abstract**

A resonator (5) for a high frequency electric oscillator is disclosed. The resonator is an integrated capacitor and inductor. The capacitance (9) and inductance (10) of the resonator are continuously and simultaneously adjustable (26). The resonator includes a coaxial portion and a conductor portion. The coaxial portion has an inner dielectric (13) with a longitudinal aperture (14) and an outer conductive sheath or outer conductor (12). The conductor portion has a straight section (18) slidable in the aperture (14) and a V-shaped bent or oblique section (10).

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