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(54) Title: CAPACITOR AND METHOD OF MAKING

(57) Abstract

An apparatus and process is disclosed for making a capacitor comprising the step of covering a first capacitor plate element (12) with a spacing material (30). The first capacitor plate element (12) and the spacing material (30) are encased within a second capacitor element (22). The second capacitor plate element (22) is drawn for reducing the outer diameter thereof. A multiplicity of the capacitor elements are inserted within a second capacitor plate connector (23). The second capacitor plate connector (23) is drawn for reducing the outer diameter of the metallic tube and for electrically interconnecting the multiplicity of the second capacitor plate elements (22) with the second capacitor plate connector (23) to form a second capacitor plate (20). The multiplicity of the first capacitor elements are interconnected with a first capacitor plate connector (13) to form a first capacitor plate (10). In one embodiment of the invention, the spacing material is a dielectric material (30) whereas in another embodiment of the invention, the spacing material is transformed into or replaced by a dielectric material.

