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(54) Title: LIQUID CRYSTAL POLYMER COMPOSITE, LIQUID CRYSTAL POLYMER COMPOSITE FILM, AND MET-
AL-CLAD LAMINATE INCLUDING SAME

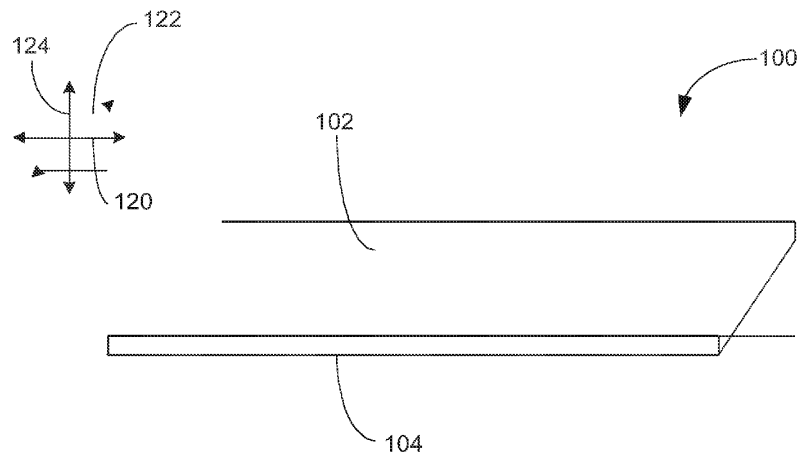


FIG. 1

(57) Abstract: A liquid crystal polymer composite film is formed from a resin composite including one or more liquid crystal polymers and one or more fillers. The liquid crystal polymer composite film has a thickness in the range of 10 μm – 200 μm and a ratio of the in-plane dielectric permittivity in the machine direction to the transverse direction in the range of 1.0 – 1.4 over a frequency range of 1 Ghz to 10 Ghz. A metal-clad laminate includes the liquid crystal polymer composite film and a metal clad layer laminated to a major surface of the liquid crystal polymer composite film. The metal-clad laminate may be included as part of an antenna.

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