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(54) Title: COMPOSITE MATERIALS BASED ON FERROELECTRIC NEMATIC LIQUID CRYSTALS AND DEVICES INCLUDING SAME

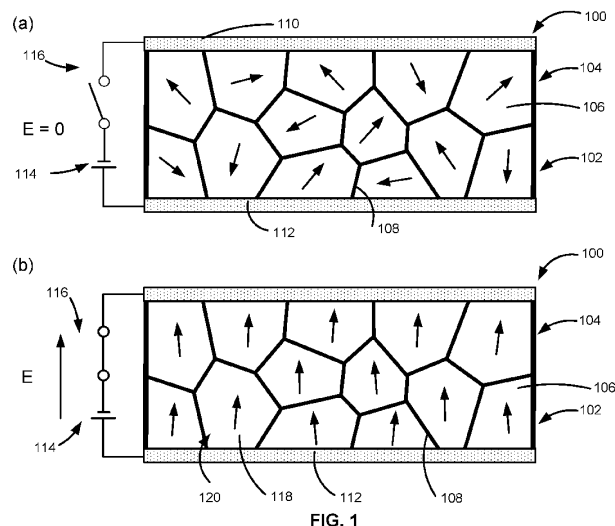


FIG. 1

(57) Abstract: Composite materials and devices including composite materials are disclosed. Exemplary composite materials include a porous material and ferroelectric nematic liquid crystal within pores of the porous material. The composite materials can be used in a variety of applications, such as capacitors, energy storage and/or conversion devices.

[Continued on next page]

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