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Eastman et al. (43) **Pub. Date: Nov. 24, 2022**(54) **ELECTROCALORIC FIBER, FABRIC AND SYSTEM COMPRISING SAME****Publication Classification**(71) Applicant: **Carrier Corporation**, Palm Beach Gardens, FL (US)(72) Inventors: **Scott Alan Eastman**, Glastonbury, CT (US); **Sergei F. Burlatsky**, West Hartford, CT (US)(21) Appl. No.: **15/734,417**(22) PCT Filed: **Sep. 10, 2020**(86) PCT No.: **PCT/US2020/050292**

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(57)

ABSTRACT

An electrocaloric fiber includes an electrocaloric material surrounding a centrally located electrode. The electrocaloric fiber may further include an outer electrode surrounding the electrocaloric material. The electrocaloric fiber may be used to form an electrocaloric fabric.

