

## **NANOCARBON-INFUSED COPPER CONDUCTORS BY ELECTRIC FIELD ASSISTED PROCESSING**

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The electrical and thermal conductivity of copper is increased ~10% by processing mixtures of copper and graphite in an electric field. The graphite is converted into graphene and infused into copper by the application of electric field. The ultrahigh conductivity graphene-infused copper can have a dramatic impact in the sustainable energy systems.