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(57) Abstract :

ABSTRACT MULTIPURPOSE FOOTWEAR The present disclosure pertains to a multipurpose footwear. The footwear includes piezoelectric ceramic crystal (102) charges a battery (114) by converting mechanical energy into electrical energy. When user needs to heat up the footwear (100), a switch (112) is turned on and heater plug (116) gets power from the battery (114). The footwear (100) includes a USB port with a cap (108) at sole on one of side of the footwear (100). The user charges mobile computing device like mobile phone, smart watch and the like. Also USB enabled lights are used by getting the power supply from the battery (114). Temperature sensors inside and outside plus an alert unit like light emitting diode (LED) on one of the sides displaying outside temperature and current body temperature of the user wearing to make the user aware of intensity of cold outside to dress up accordingly.

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