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(57) Abstract :
ABSTRACT The present disclosure introduces a temp-comfort shoes 100 which represents a significant advancement in footwear technology, addressing the challenge of maintaining optimal foot temperature in varying environmental conditions. This innovative invention comprises multiple components connected with conducting wires 114 meticulously designed to regulate foot warmth effectively. The shoe body 102, constructed from durable materials like leather and rubber, provides structural integrity, while the conducting cloth 104 efficiently converts electrical energy into heat when powered by the rechargeable battery 112. Heat retaining pads 106, heat transfer layer 108, and over-heat protection circuit 110 work synergistically to ensure even heat distribution and user safety. Convenient features such as charging sockets 116 and waterproof socket 118 cover enhance usability and durability. The versatility and cost-effectiveness of this invention make it a practical system for individuals seeking reliable temperature regulation in footwear.

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