

Proposed Patent Continuation Application

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A Thermoelectric Cementitious material for assembling heated and cooled surfaces, Used for ice and snow melting on sidewalks driveways and road surfaces and radiant floor Air Conditioning and compressor free Freon ice skating arenas.

Abstract

Thermoelectric heated and cooled surfaces encased in Cementitious materials for ice and snow melting surfaces. The thermoelectric material with and Carbonized Polymer Graphene and dopant, can be energized using a switching power supply with oscillating shorted wave form. The electrical power would be very low D.C voltage in the range of .5-2 Volts, with high current density. The switching creates voltage and current to flow in nano speed ballistic conduction pulses, overcoming any electrical resistance allowing the composite material to heat and cool. In summer and in warm climates the black road surface is heated by the sun and the road surface creates electrical energy for municipal use.

Bellezza Patent Disclosure

Column 2 Line 36-39

Column 3 Line 13-17

Column 2 Line 52-55

Column 8 Line 54-59

Column 7 Line 4-24

Column 7 Line 42-53