

Title (en)

HEATING AND COOLING TECHNOLOGIES INCLUDING TEMPERATURE REGULATING PAD WRAP AND TECHNOLOGIES WITH LIQUID SYSTEM

Title (de)

HEIZ- UND KÜHLTECHNOLOGIEN, EINSCHLIESSLICH TEMPERATURREGELNDER KISSENHÜLLE UND TECHNOLOGIEN MIT FLÜSSIGSYSTEM

Title (fr)

TECHNOLOGIES DE CHAUFFAGE ET DE REFROIDISSEMENT COMPRENANT UNE ENVELOPPE DE COUSSIN DE RÉGULATION DE TEMPÉRATURE ET TECHNOLOGIES AVEC SYSTÈME LIQUIDE

Publication

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Application

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Abstract (en)

[origin: WO2018175506A1] A heating and cooling device is disclosed comprising at least one integral low voltage heating and cooling source and an efficient flexible heat distribution means having a thermal conductivity of from 375 to 4000 W/mK for distributing the heat and cool across a surface. Further aspects include thermal interface compounds to provide full thermal contact as well as the use of a phase change material to provide a long lasting heating and/or cooling effect without the use of external electrical input. Preferred applications include automotive and furniture seating heating and cooling, along with outdoor garments having distributed heating and cooling effects. Additional aspects include a thermal pad wrap and a thermally conductive liquid system for heat/cool distribution.

IPC 8 full level

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