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(57) Abstract :

The present disclosure relates to a chargeable gel pad arm brace system provides targeted cold therapy. The system includes a cooling pad (102) infused with a cooling gel (104) suitable for direct application to the user's body. Within the cooling pad (102) is a cooling unit (106) that modulates the temperature of the gel (104). The system also features a plug interface (108), which, upon connection to an external power source, activates the cooling unit (106) to set the gel's temperature to a specific value. The design is ideal for wrapping around the elbow, providing relief from conditions like tennis elbow. A thermostat mechanism (110) within the cooling unit (106) consistently monitors and adjusts the gel's temperature. The plug interface (108) is versatile, compatible with various power sources. Additionally, an indicator (112) on the cooling pad (102) conveys the cooling unit's (106) operational status to the user.

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