

Smart Device for Controlled Hypothermia

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ABSTRACT

In this work we describe the construction of a non-invasive hypothermic system of descent a brain temperature used in the treatment of stroke. Thermoelectric effect is based on Peltier elements. The device is used for those who offer first medical aid. It usage helps with the stabilization of the patient's state and stops any aggravations. The helmet allows local or total cooling of the head, monitorization and displays body temperature on a graphical interface.