

METHOD OF REMOVING HEAT ENERGY FROM AN OBJECT

5

ABSTRACT

A method of removing heat energy from an object is provided. The method comprises providing a hydrated hydrogel having a lower critical solution temperature of about 70 °C or less, thermally contacting the hydrated hydrogel with an object, and allowing water to
10 evaporate from the hydrated hydrogel, thereby removing heat energy from the object. Use of a hydrated hydrogel having a lower critical solution temperature of about 70 °C or less in removing heat energy from an object is also provided.

15

No Figure for Publication