

**SYSTEM FOR INCREASING THE QUALITY OF SLEEP**  
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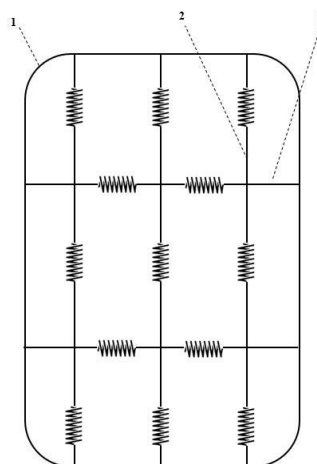
**Description**

System for sleep quality enhancement, according to the invention, it assumes a unitary body composed of an elastic rectangular structure of thermo-sensitive elements that react to the local temperature variation, depending on which it adapts the shape of the rest mattresses between the layers of which it is embedded, that it modifies according to the shape of each user's body and returns to its original shape after each use, so that it represents an appropriate solution for the role it fulfills.

**Advantages**

The invention solves, mainly, a technical problem by which, it allows the integration into the rest mattresses, so that it reduces the need for layers in the composition and the number of materials involved, simultaneously with maintaining and/or restoring the memory effect, through the thermo-mechanical conversion of thermal energy dissipated by the user's body, in exchange for which the quality of life and sleep is increased in the long term.

- The system introduces new possibilities for improving the user's health and comfort, by enhancing the sleep quality;
- The system presents constructive simplicity and advantageous form;
- The system can be easily embedded between the layers of rest mattresses;
- The system does not depend on additional energy sources, other than the thermal energy of the user's body;
- The system reduces the frequency of maintenance and/or replacement of rest mattresses;
- The system does not require maintenance.



1 - Perimeter wire, 2 - the longitudinal string of springs, 3 - the transversal string of springs.