

ZONED SPRING MATTRESS AND PACKAGING METHOD THEREFOR

ABSTRACT

The present invention provides a foldable and rollable zoned spring mattress, which comprises a zoned spring layer; the zoned spring layer is provided with a first lateral region, a second lateral region and a third lateral region; a central axis of the mattress passes through the second lateral region; the first lateral region is disposed between the second lateral region and the top of the mattress; and the third lateral region is disposed between the second lateral region and the bottom of the mattress. The second lateral region includes pocket springs comprised of individual metal coils each encased in fabric. The first lateral region and the third lateral region include coils that are connected to one another by parallel rows of helical-shaped wires, the helical-shaped wires extend in the direction that perpendicular to the central axis. After being compressed, the mattress is folded along the central axis which located on the pocket springs of the second lateral region, and then the compressed and folded mattress is rolled, without folding or bending the helical-shaped wires. The zoned spring mattress of the present invention has smaller dimensions better suited to express package delivery systems and standard shelving of discount retailers.

<Fig. 7>