

ABSTRACT**MATTRESS FOR EVENLY GATHERING AND DISPERSING
HUMAN BODY GRAVITY**

A mattress for evenly gathering and dispersing human body gravity comprises elastic surface layer connecting cloth (1), elastic support frames (2), lateral connecting cloth (3), a filling region (4), granular fillers (5), a filler inlet/outlet (6), lower connecting cloth (7), a foot limiting belt (8), a leg limiting belt (9), hip limiting belts (10) and a back limiting belt (11) ("limiting belts" for short). The width of each of the limiting belts (8, 9, 10, 11) is less than that of the filling region. Upper ends and lower ends of the limiting belts (8, 9, 10, 11) are separately connected to an upper cloth layer and a lower cloth layer. When the mattress is stressed by human body gravity, the granular fillers automatically move towards a gravity-free region and fill a gap between the human body and the mattress, so as to provide a larger balanced stress surface for the human body and realize balancing of the human body gravity. The mattress is self-adaptive to a posture of lying on the side or lying on the back, so that no pillow is required. The mattress has functions of improving blood circulation and relieving fatigue of joints and muscles, and can avoid discomfort due to uneven stress. The mattress is partitioned into one or more independent filling regions by lateral upright partitioning cloth (12), so that the mattress can be used by one or more persons.

(FIG. 2)