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(54) Title: VIBRATION MOTOR, RHYTHM DEVICE, RHYTHM MATTRESS, RHYTHM SOFA, AND RHYTHM RECLINER

(54) 发明名称: 振动电机、律动器、律动床垫、律动沙发及律动躺椅

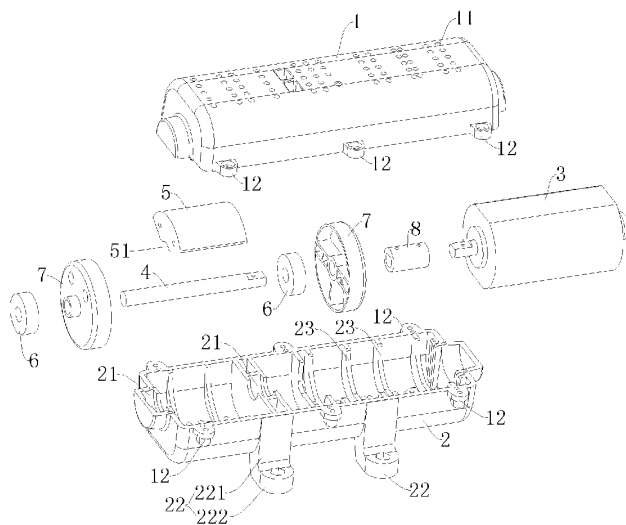


图 1

(57) Abstract: A vibration motor, a rhythm device comprising the vibration motor, a rhythm mattress, a rhythm sofa, and a rhythm recliner. The vibration motor comprises a housing (10), an electric motor (3) provided in the housing (10), a coupling (8), and a vibration assembly. The vibration assembly comprises a rotating shaft (4) and an eccentric block (5) that is connected to the rotating shaft (4) and eccentrically provided; the rotating shaft (4) and a power output shaft of the electric motor (3) are coaxially arranged and are connected to each other by means of the coupling (8) in a transmission manner; bearings (6) are fixed on the inner wall of the housing (10); the rotating shaft (4) passes through the bearings (6) and is rotatably connected to the bearings (6); the electric motor (3) is fixedly provided on the inner wall of the housing (10). The vibration motor has a simple structure and is stable and efficient in transmission. The rotating

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MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL,  
PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL,  
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shaft (4) and the electric motor (3) are coaxially arranged, and both can stably transmit vibration. The overall vibration of the vibration motor is regular and stable. Compared with the prior art, vibration stability is improved to a certain extent, and vibration strength is ensured, so that effective massage can be provided, the fatigue of a human body can be relieved, and a person is effectively promoted to quickly enter deep sleep.

(57) 摘要: 一种振动电机及包括振动电机的律动器、律动床垫和律动沙发及律动躺椅, 包括有壳体(10)、设于壳体(10)内的电动机(3)、联轴器(8)及振动组件, 振动组件包括转轴(4)及与转轴(4)连接并偏心设置的偏心块(5), 转轴(4)及电动机(3)的动力输出轴同轴设置并通过联轴器(8)传动连接; 壳体(10)的内壁上固定有轴承(6), 转轴(4)穿入轴承(6)内并与轴承(6)可转动连接, 电动机(3)与壳体(10)的内壁固定设置。振动电机结构简单, 传动稳定且高效, 转轴(4)与电动机(3)同轴设置并均可以稳定的传递振动, 振动电机整体振动规律且稳定, 相比于现有技术, 一定程度提高了振动稳定性, 振动强度有保障, 从而可以提供有效按摩、缓解人体疲劳和有效促使人快速进入深度睡眠。