CLAIMS

1. A massage neck pillow comprising a U-shaped neck pillow body able to be hung on the human neck, wherein an inner side of the U-shaped neck pillow body is provided with a U-shaped installation slot, two sets of massage heads are symmetrically arranged in the U-shaped installation slot, the two sets of massage heads are connected to a control mechanism, the U-shaped installation slot is provided with two channels, each of the two sets of massage heads is moved and locked in the respective channel of the U-shaped installation slot under the control of the control mechanism, an end of each channel of the U-shaped installation slot is provided with a respective receiving cavity, when each of the two sets of massage heads is driven by the control mechanism to move to the end of the respective channel, each of the two sets of massage heads is hidden in the respective receiving cavity~~.~~;

the control mechanism comprises a fixing bracket and an adjusting assembly arranged on the fixing bracket, the fixing bracket comprises a connecting part arranged in the center and fixing parts slantwise and symmetrically provided at the two sides of the connecting part, each of the two sets of massage heads is fixed on an end of a respective rack, the other ends of the two racks overlap each other, each of the two racks is arranged on the respective fixing part, the adjusting assembly is fixed on the connecting part of the fixing bracket and passes through the overlapped ends of the two racks, so that the two racks can be contracted or expanded relatively under the adjustment of the adjusting assembly;

the adjusting assembly comprises a rotating shaft extending from the outside of the connecting part, a knob located at an outer end of the rotating shaft and a gear located at an inner end of the rotating shaft, an upper part and a lower part of the gear are engaged with each of the two racks respectively.

2. The massage neck pillow according to claim 1, wherein the U-shaped neck pillow body comprises a sponge pillow core and a fabric cover disposed around the sponge pillow core, the U-shaped installation slot is defined on the sponge pillow core, the two sets of massage heads and the control mechanism are arranged at an inner side of the fabric cover.

~~3. The massage neck pillow according to claim 1, wherein the control mechanism comprises a fixing bracket and an adjusting assembly arranged on the fixing bracket, the fixing bracket comprises a connecting part arranged in the center and fixing parts slantwise and symmetrically provided at the two sides of the connecting part, each of the two sets of massage heads is fixed on an end of a respective rack, the other ends of the two racks overlap each other, each of the two racks is arranged on the respective fixing part, the adjusting assembly is fixed on the connecting part of the fixing bracket and passes through the overlapped ends of the two racks, so that the two racks can be contracted or expanded relatively under the adjustment of the adjusting assembly.~~

~~4. The massage neck pillow according to claim 3, wherein the adjusting assembly comprises a rotating shaft extending from the outside of the connecting part, a knob located at an outer end of the rotating shaft and a gear located at an inner end of the rotating shaft, an upper part and a lower part of the gear are engaged with each of the two racks respectively.~~

~~5~~3. The massage neck pillow according to claim ~~3~~1, wherein the adjusting assembly further comprises a locking structure arranged between the knob and the rotating shaft, the locking structure is configured for locking in two directions.

~~6~~4. The massage neck pillow according to claim ~~5~~3, wherein the locking structure comprises a ratchet and a ratchet base engaged with the ratchet, the ratchet synchronously rotates with the knob, the rotating shaft is arranged through the center of the ratchet and fixed in the center of the ratchet.

~~7~~5. The massage neck pillow according to claim ~~3~~1, wherein each of the two sets of massage heads is driven by a respective power component, each of the two racks is fixedly connected to the respective power component.

~~8~~6. The massage neck pillow according to claim ~~7~~5, wherein the respective power component is a gearbox, the gearbox comprises a first output shaft and a second output shaft, each set of massage heads comprises two massage heads, the two massage heads are fixed on an end of the first output shaft and an end of the second output shaft, respectively.

~~9~~7. The massage neck pillow according to claim ~~8~~6, wherein each fixing part is provided with two guiding grooves, the other end of the first output shaft of each gearbox and the other end of the second output shaft of each gearbox are slidably arranged in respective guiding grooves.

8. The massage neck pillow according to claim 1, wherein the knob includes a knob base located at the inside of the connecting part and a knob cover protruding from the outside of the connecting part and fixed with the knob base.