Claims

1. A toy gyro having a gyro ring adapted to be assembled at both sides, comprising an axis body, and a gyro ring comprising a circular attack ring having a through hole in the middle and a screw ring having a through hole, the screw ring disposed within the through hole of the attack ring and configured for removeably connecting the attack ring to the axis body, wherein the axis body is arranged within the through hole of the screw ring, and wherein the screw ring includes a locking structure disposed thereon fitting and engaging with a portion of the axis body for removeably connecting the attack ring to the axis body, a tip and a cover disposed on the axis body, wherein a direction of mounting the gyro ring on the axis body may be turned over vertically, whereby turning over vertical orientations of the attack ring and screw ring on the axis body, provides gyros of different shapes or different heights of center of gravity wherein the screw ring comprises upper and lower cover rings disposed within the through hole of the attack ring, the locking structure comprising upper and lower flanges correspondingly disposed on inner walls of the upper and lower cover rings, the upper and lower cover rings implement the connection with the axis body by means of fitting and catching of the upper and lower flanges and a block structure disposed on the axis body.

2. The toy gyro having a gyro ring adapted to be assembled at both sides according to claim 1, wherein the gyro ring has upper and lower sides, and wherein structural shapes or center of gravity of the upper and lower sides of the gyro ring are different.

3. The toy gyro having a gyro ring adapted to be assembled at both sides according to claim 1, wherein the locking structure is arrangeable at a middle height position of the gyro ring and arrangeable at a non-middle height position.

4. The toy gyro having a gyro ring adapted to be assembled at both sides according to claim 1, wherein an inner end of the upper cover ring includes a convergent structure, the upper flange located at an opening of the inner end, an outer end of the lower cover ring includes a convergent structure, and the lower flange is disposed at a position on a middle portion of an inner wall of the lower cover ring near the upper flange.

5. The toy gyro having a gyro ring adapted to be assembled at both sides according to claim 1, wherein the axis body comprises an axis sleeve and a clamp ring rotatably disposed on the

axis sleeve, the block structure comprising a recessed clamp slot axially disposed on an outer wall of the axis sleeve adapted for sliding receipt of the upper and lower flanges, and a pin integrally disposed on the clamp ring and extending out of the axis sleeve, the outer wall of the axis sleeve includes a guide slot for the pin to penetrate and rotate horizontally, wherein when the upper and lower flanges of the screw ring slide into the clamp slot, the clamp ring is rotated so that the pin is rotated to be above or under the upper and lower flanges, whereby the upper and lower flanges are locked between the pin and one end edge of the clamp slot connecting of the gyro ring and the axis body.

6. The toy gyro having a gyro ring adapted to be assembled at both sides according to claim 5, wherein the axis sleeve comprises upper and lower axis sleeves fitting each other, an upper portion of the lower axis sleeve is sleeved in the upper axis sleeve, the clamp ring is rotatably disposed between the upper and lower axis sleeves, and an upper end of the clamp ring includes a structure that can be used fitting an assembling tool.

7. The toy gyro having a gyro ring adapted to be assembled at both sides according to claim 6, wherein an upper portion of the lower axis sleeve is adapted to be fitted with a cover disposed on an upper end thereof or a bottom of an elastic tip of another gyro, and an inner wall thereof is provided with a protrusion fitting and engaging with a lower portion of the cover, wherein the clamp slot is disposed on an outer wall of the upper axis sleeve or lower axis sleeve.

8. The toy gyro having a gyro ring adapted to be assembled at both sides according to claim 1, wherein, a flange is integrally disposed on an inner wall of the through hole of the attack ring, notches are correspondingly disposed on the upper and lower cover rings at positions corresponding to the flange, and the upper and lower cover rings are positioned on the attack ring by fitting of the notches and the flange.

9. The toy gyro having a gyro ring adapted to be assembled at both sides according to claim 1, wherein the attack ring is made of metal, and the screw ring is made of plastomer or plastics.

10. The toy gyro having a gyro ring adapted to be assembled at both sides according to claim 3, wherein the gyro ring is further provided with a clamping ring adapted to be rotationally clamped to a gyro ring of another gyro.