

FOLDING MECHANISM AND ELECTRONIC DEVICE

ABSTRACT

This application discloses a folding mechanism and an electronic device. The folding mechanism includes a main shaft assembly, a first connecting arm, a first pin shaft, a first gear, a first fitting part, a second fitting part, a third fitting part, and a first elastic part. In a process of unfolding or folding the electronic device, the first elastic part may deform, and the first elastic part may squeeze the first fitting part. The first fitting part may apply action force to the first gear. In this way, friction force between the first gear and the first fitting part may be increased to a large extent. A speed at which the first gear rotates relative to the main shaft assembly becomes lower, a speed at which the first connecting arm rotates relative to the main shaft assembly becomes lower, and a speed at which the first housing rotates relative to the main shaft assembly becomes lower. Therefore, the folding mechanism can reduce a rotation speed of the first housing, to protect a flexible display of the electronic device and improve reliability thereof.

FIG. 27