ABSTRACT

The present invention provides a method for fixing a motor in a hub motor test for an electric vehicle, including: horizontally disposing a rotor of a hub motor and coaxially connecting the rotor to a central shaft of a traction motor; disposing magnetic bases in several directions on an outer side of a stationary shaft of the hub motor; applying magnetic force to the stationary shaft of the hub motor by the magnetic bases to suspend and horizontally fix the stationary shaft of the hub motor; detecting the levelness of the hub motor during a test for the hub motor; and if the deviation of an angle of the hub motor from a horizontal angle is detected, adjusting the magnetic force of the magnetic bases to adjust magnetic forces applied on the stationary shaft of the hub motor in a plurality of directions, so that the hub motor remains horizontal during the test. Based on the method, levelness deviation of the hub motor can be avoided during the test. The present invention further provides a motor fixing apparatus configured to implement the foregoing method, which can avoid the levelness deviation of the hub motor during the test.