

【ABSTRACT】

Disclosed are a tension maintaining unit for a caterpillar apparatus and a caterpillar apparatus including the same. The tension maintaining unit for the caterpillar apparatus includes: a rotation direction selector including a first one-way bearing unit with a first one-way bearing connected to a first rotary member of a continuous track body, and a second one-way bearing unit with a second one-way bearing connected to a second rotary member of the continuous track body; and an actuator transmitting power to the first one-way bearing unit and the second one-way bearing unit, wherein tension of a continuous track member provided in the continuous track body is prevented from being loosed as the continuous track body is driven with power of the second one-way bearing and the first one-way bearing rotates freely upon forward movement, the tension of the continuous track member is prevented from being loosened as the continuous track body is driven with power of the first one-way bearing and the second one-way bearing rotates freely upon backward movement, and the rotation direction selector is coupled to and receives power from an actuator output shaft provided in the actuator.

Fig. 5