【CLAIMS】

【Claim 1】

A tension maintaining unit of a continuous track device for a ship which, when assembled, comprises:

a first output unit connected to a first rotary member of a continuous track body and comprising a first one-way bearing;

a second output unit connected to a second rotary member of the continuous track body and comprising a second one-way bearing; and

an actuator configured to transmit power to the first output unit and the second output unit, wherein

when the continuous track body moves forwards, the first one-way bearing freely rotates to prevent tension of a first power transmission member provided in the continuous track body from being loosened, and the second one-way bearing is actuated by power, and

when the continuous track body moves backwards, the second one-way bearing freely rotates to prevent the tension of the first power transmission member from being loosened, and the first one-way bearing is actuated by power.

【Claim 2】

The tension maintaining unit of claim 1, wherein

the first output unit comprises:

a first connector coupled to the first rotary member;

the first one-way bearing coupled to the first connector; and

a first pulley comprising a first side coupled to the first one-way bearing and a second side coupled to a second power transmission member and configured to rotate along with the second power transmission member.

【Claim 3】

The tension maintaining unit of claim 1, wherein

the second output unit comprises:

a second connector coupled to the second rotary member;

the second one-way bearing coupled to the second connector; and

a second pulley comprising a first side coupled to the second one-way bearing and a second side coupled to a second power transmission member and configured to rotate along with the second power transmission member.

【Claim 4】

The tension maintaining unit of claim 1, further comprising:

a pair of idlers disposed above the first output unit and the second output unit and pressing a second power transmission member in a region of connecting the first output unit and the actuator and a region of connecting the second output unit and the actuator.

【Claim 5】

The tension maintaining unit of claim 1, wherein

the actuators form a pair and are respectively connected to the first output unit and the second output unit.

【Claim 6】

The tension maintaining unit of claim 1, wherein

the first one-way bearing comprises a first side directly connected to the first rotary member and a second side directly connected to the actuator,

the second one-way bearing comprises a first side directly connected to the second rotary member and a second side directly connected to the actuator, and

the actuators form a pair and are respectively connected to the first one-way

bearing and the second one-way bearing.

【Claim 7】

The tension maintaining unit of claim 1, wherein

the first rotary member and the second rotary member are provided in the form of timing pulleys or sprockets.

【Claim 8】

The tension maintaining unit of claim 1, wherein

the first power transmission member comprises a track link, and

the second power transmission member connecting the first output unit, the second output unit, and the actuator comprises a belt.

【Claim 9】

The tension maintaining unit of claim 1, further comprising a tension maintaining tensioner supporting a second power transmission member in a region of connecting the first output unit and the second output unit.

【Claim 10】

A continuous track device for a ship which, when assembled, comprises:

a continuous track body comprising a first rotary member supporting a first side of a first power transmission member and configured to rotate along with the first power transmission member, and a second rotary member disposed to be spaced apart from the first rotary member and supporting a second side of the first power transmission member; and

a tension maintaining unit comprising a first output unit connected to the first rotary member and comprising a first one-way bearing, a second output unit connected to the second rotary member and comprising a second one-way bearing, and an actuator configured to transmit power to the first output unit and the second output unit,

wherein

when the continuous track body moves forwards, the first one-way bearing freely rotates to prevent tension of a first power transmission member provided in the continuous track body from being loosened, and the second one-way bearing is actuated by power, and

when the continuous track body moves backwards, the second one-way bearing freely rotates to prevent the tension of the first power transmission member from being loosened, and the first one-way bearing is actuated by power.

【Claim 11】

The continuous track device of claim 10, further comprising a tension maintaining tensioner supporting a second power transmission member in a region of connecting the first output unit and the second output unit.