CLAIMS

1. A leg massage machine comprising:

paired left and right massage members disposed so as to sandwich a treatment region;

a pressing member disposed between the paired left and right massage members;

a first driving mechanism that mutually approaching and separating movement of the paired left and right massage members; and

a second driving mechanism that actuates the pressing member so as to press the pressing member against the treatment region,

the leg massage machine being configured to be switchable between a synchronous state and a non-synchronous state, the synchronous state being a state where the first driving mechanism and the second driving mechanism are synchronously actuated, the non-synchronous state being a state where the first driving mechanism is stopped and the second driving mechanism is actuated, and wherein

in the non-synchronous state, the second driving mechanism is actuated while keeping a state where the paired left and right massage members are approximated to each other,

wherein

the first driving mechanism comprises: a rotary shaft that transmits a rotational driving force of a drive motor; and paired left and right conversion parts that convert a rotational driving force of the rotary shaft into an approximation/separation action of the paired left and right massage members, and

the second driving mechanism comprises the pressing member that is driven by the rotary shaft provided in the first driving mechanism,

each of the conversion parts comprises: a tilted boss

part whose central part is penetrated by the rotary shaft and whose outer circumference has a cam groove provided at a tilt with respect to the rotary shaft; an annular fitting part that is provided at a base end of a corresponding one of the massage members and fitted to the outer circumference of the tilted boss part; and a one-way clutch mechanism disposed between the tilted boss part and the rotary shaft, and

the rotational driving force of the rotary shaft is transmitted to the tilted boss part via the one-way clutch mechanism.

2. The leg massage machine according to claim 1, wherein

when the rotary shaft is normally rotated, the rotational driving force of the rotary shaft is transmitted to the tilted boss part via the one-way clutch mechanism to thereby reach the synchronous state where the first driving mechanism and the second driving mechanism are synchronously actuated, and

when the rotary shaft is reversely rotated, the rotational driving force of the rotary shaft is not transmitted to the tilted boss part via the one-way clutch mechanism to thereby reach the non-synchronous state where the first driving mechanism is stopped and the second driving mechanism is actuated.

3. The leg massage machine according to claim 1, wherein

the one-way clutch mechanism has a one-way power transmission part, and

the one-way power transmission part transmits the rotational driving force of the rotary shaft to the tilted boss part when the rotary shaft is normally rotated, and when the rotary shaft is reversely rotated, the one-way power transmission part does not transmit the rotational

driving force of the rotary shaft to the tilted boss part.

4. The leg massage machine according to claim 1, wherein

the one-way power transmission part comprises a snail shell-like boss part whose central part is penetrated by the rotary shaft and that is fixed to the rotary shaft to rotate together and fitted into the tilted boss part in a loosely fitted state,

an outer circumference of the snail shell-like boss part is formed with a position restriction part that restricts a position of the massage member, and

the position restriction part is formed in a predetermined position with respect to a circumferential direction of the rotary shaft in each of the massage members.

5. The leg massage machine according to claim 1, wherein

the one-way clutch mechanism comprises a brake part, and

the brake part restricts rotation of the tilted boss part in order to restrict the massage member from moving in a state where the one-way power transmission part prevents the rotational driving force of the rotary shaft from being transmitted.