Claims

[Claim 1]

A transfer device, comprising:

a placement section on which a transfer target is to be placed;

a pair of support bodies which are to sandwich the transfer target from a right side and a left side;

a control section which carries out control of respective operations of the pair of support bodies so that the pair of support bodies sandwich the transfer target and transfer the transfer target from a transfer origin to the placement section; and

a sensing section which senses a posture of the transfer target while the control by the control section is carried out,

in a case where the posture sensed by the sensing section is tilted with respect to a prescribed posture, the control section carrying out control so that the pair of support bodies transfer the transfer target in different operations so as to correct the posture of the transfer target, wherein

the sensing section senses the posture based on a difference between loads respectively applied to the pair of support bodies; and

the control section carries out control so that an operation speed of one of the pair of support bodies to which a relatively lighter load is applied becomes higher than an operation speed of the other support body to which a heavier load is applied.

[Claim 2]

The transfer device as set forth in claim 1, wherein:

the control section continues the control until the difference between loads on the pair of support bodies becomes a predetermined value or less.

[Claim 3]

The transfer device as set forth in claim 1, wherein:

the pair of support bodies are belts of belt conveyors.

[Claim 4]

A carrier for carrying a transfer target by moving along transfer origins which are sequentially arranged,

said carrier comprising a transfer device recited in any one of claims 1 through 3, the transfer device transferring the transfer target between any of the transfer origins and the placement section.