[CLAIMS]
[Claim 1]
An image blurring correction device comprising:
a fixed body fixed inside a casing;
a movable body that includes an imaging element and moves with respect to the fixed body in a direction orthogonal to an optical axis direction; and
a bendable heat transfer sheet that has parts mounted on the fixed body and the movable body and transfers heat generated in the movable body to the fixed body, wherein a thickness direction of the heat transfer sheet is orthogonal to the optical axis direction,
wherein a fixed side mounting part mounted on the fixed body, a movable side mounting part mounted on the movable body, and a deformation part positioned between the fixed side mounting part and the movable side mounting part are provided in the heat transfer sheet, wherein the deformation part is formed in a bent shape.
[Claim 2]
The image blurring correction device according to claim 1, wherein
the heat transfer sheet is formed by superimposing a plurality of sheet members in the thickness direction.
[Claim 3]
The image blurring correction device according to claim 2, wherein
the fixed side mounting part and the movable side mounting part are positioned facing each other, and
the deformation part has both ends respectively connected to one end of the fixed side mounting part and one end of the movable side mounting part and includes a first part connected to the fixed side mounting part and a second part connected to the movable side mounting part,
[Claim 4]
The image blurring correction device according to claim 3, wherein
the first part is bent at an acute angle with respect to the fixed side mounting part, and
the second part is bent at an acute angle with respect to the movable side mounting part.
[Claim 5]
The image blurring correction device according to claim 4, wherein
the heat transfer sheet is formed in a ring shape,

the deformation part is provided as a pair,
both ends of one of the deformation parts are respectively connected to one end of the fixed side mounting part and one end of the movable side mounting part, and
both ends of the other deformation part are respectively connected to the other end of the fixed side mounting part and the other end of the movable side mounting part.

[Claim 6]

The image blurring correction device according to claim 4, wherein
at least two heat transfer sheets are provided, and
at least one of the heat transfer sheets and at least one of the other heat transfer sheets are disposed in orthogonal directions orthogonal to the optical axis direction.

[Claim 7]

The image blurring correction device according to claim 4, wherein
a flexible printed wiring board is connected to the movable body,
the flexible printed wiring board is bent in the optical axis direction such that parts face each other, and
the fixed side mounting part and the movable side mounting part are positioned facing each other in a direction orthogonal to the optical axis direction and a width direction of the flexible printed wiring board.

[Claim 8]

The image blurring correction device according to claim 1, wherein
at least two heat transfer sheets are provided on a side of a rear surface of the imaging element, and
the two heat transfer sheets are disposed on opposite sides of a center of the imaging element therebetween on a diagonal line of the imaging element.

[Claim 9]

The image blurring correction device according to claim 1, wherein
a fixed side heat transfer plate is provided in the fixed body,
a movable side heat transfer plate is provided in the movable body, and
parts of the heat transfer sheet are provided on the fixed side heat transfer plate and the movable side heat transfer plate.

[Claim 10]

The image blurring correction device according to claim 1, wherein a graphite sheet is used as the heat transfer sheet.

[Claim 11]
An imaging apparatus comprising
an image blurring correction device that corrects image blurring in such a manner that a movable body including an imaging element moves with respect to a fixed body fixed inside a casing in a direction orthogonal to an optical axis direction, wherein the image blurring correction device includes a bendable heat transfer sheet that has parts mounted on the fixed body and the movable body and transfers heat generated in the movable body to the fixed body, wherein a thickness direction of the heat transfer sheet is orthogonal to the optical axis direction,
wherein a fixed side mounting part mounted on the fixed body, a movable side mounting part mounted on the movable body, and a deformation part positioned between the fixed side mounting part and the movable side mounting part are provided in the heat transfer sheet, wherein the deformation part is formed in a bent shape.

[ABSTRACT]
A fixed body fixed inside a casing, a movable body that includes an imaging element and moves with respect to the fixed body in a direction orthogonal to an optical axis direction, and a bendable heat transfer sheet that has parts mounted on the fixed body and the movable body and transfers heat generated in the movable body to the fixed body are provided, and a thickness direction of the heat transfer sheet is orthogonal to the optical axis direction. Accordingly, torsion is not generated in the heat transfer sheet when the movable body moves with respect to the fixed body in a direction orthogonal to the optical axis direction, and thus a load applied to the movable body at the time of movement of the movable body with respect to the fixed body can be curbed after a satisfactory state of transfer of heat from the movable body to the fixed body is secured to promote reduction in power consumption.
(Fig.5)