

ABSTRACT

VIBRATION CONTROL STRUCTURE OF STATIONARY INDUCTION DEVICE

A container (1) of a stationary induction device is used, which is
5 capable of accommodating an inside element (2) of the stationary induction
device and a liquid-state, cooling insulation medium (3). A surface (10) of
this container (1) is covered with a viscoelastic adhesive, followed by curing
to form a viscoelastic body (4) thereby to construct a vibration control
structure in which the viscoelastic body (4) is supported on the surface (10).
10 Furthermore, a restraining plate (5) is brought into a close contact with the
viscoelastic adhesive prior to cure that covers the surface (10) of the
container (1), and then the viscoelastic adhesive is cured, thereby
constructing a restraining structure in which the restraining plate (5) is
supported on an inner surface (10a) through the viscoelastic body (4). For
15 example, magnetic shield plate, electromagnetic shield plate, damping steel
plate, damping metal plate, etc. is applied to the restraining plate (5).

FIG. 1