

LID-OPENING/CLOSING DEVICE

ABSTRACT

5 A lid-opening/closing device includes: a device body; a
lock-opening/closing mechanism; and a container-securing unit. On the device
body, a pod including: a container body, a lid portion forming a bottom portion that
is openable and closable with respect to the container body; and a locking
mechanism performing unlocking and locking of the lid portion with respect to the
10 container body is placed. The lock-opening/closing mechanism performs
unlocking operation to cause the locking mechanism to perform the unlocking, and
performs locking operation to cause the locking mechanism to perform the locking
by moving an engaging portion configured to engage with the locking mechanism
when the pod is placed on the device body. The container-securing unit secures the
15 container body to the device body in conjunction with the lock-opening/closing
mechanism when the locking mechanism is caused to perform the unlocking.

FIG. 9