

TITLE OF THE INVENTION: LINEAR MOTION-ROTATIONAL MOTION DEVICE

ABSTRACT

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A linearly moving and rotating device is provided which can produce both of movement of an article support portion along a first direction and rotation of the article support portion about its movable axis and in which any increase in its size and weight can be reduced. The linearly moving and rotating device includes a support portion (23) that supports an operated member (24) integrally provided with the article support portion (S), for rotation about the movable axis (X1) and for movement along the first direction (D1), and a linearly movable member (21a) which is moved along the first direction (D1) by the actuator (M1). The operated member (24) is connected to the linearly movable member (21a) in a portion spaced apart from the movable axis (X1) as seen along a direction along the movable axis (X1). The linearly moving and rotating device includes an operating state switching portion (L) which can be switched to a linearly moving state for restricting rotation of the operated member (24) about the movable axis (X1) and for allowing movement of the operated member (24) along the first direction (D1), and to a rotating state for allowing rotation of the operated member (24) about the movable axis (X1) and for restricting movement of the operated member (24) along the first direction (D1).

Figure 2