

MOVABLE BODY DRIVE METHOD AND MOVABLE BODY DRIVE
SYSTEM, PATTERN FORMATION METHOD AND APPARATUS,
EXPOSURE METHOD AND APPARATUS, DEVICE MANUFACTURING
METHOD, AND CALIBRATION METHOD

ABSTRACT

A controller measures positional information of a stage (WST) within an XY plane using three encoders (Enc1, Enc2 and
5 Enc3) which at least include one each of an X encoder and a Y encoder of an encoder system, and the stage (WST) is driven in the XY plane, based on measurement results of the positional information and positional information (p_1, q_1) , (p_2, q_2) , and (p_3, q_3) in a surface parallel to the XY plane of a head
10 (encoders) (Enc1, Enc2 and Enc3) used for measurement of the positional information. Accordingly, it becomes possible to control the movement of the stage with good precision, while switching the head (the encoder) used for control during the movement of the stage (WST) using the encoder system which
15 includes a plurality of heads.

Fig. 19A and Fig. 19B