

ABSTRACT

A movable body system is equipped with a stage (WST) having a stage main section (91) which moves along an XY plane and a table (WTB) which is finely movable on the stage main section in a direction (a Z-axis direction) orthogonal to the XY plane and a tilt direction with respect to the XY plane, and a measurement device which measures positional information of the stage (WST) within the XY plane. The measurement device has a plurality of encoder heads (60C and the like) arranged on the table (WTB), and optical fibers (24, 26) whose end sections are arranged facing each head at the stage main section (91) and the optical axes at the end sections are substantially parallel to the Z-axis direction, and the device measures positional information of the stage (WST), based on an output of a head facing a grating section (RG) placed substantially parallel to the XY plane. And, air transmission of a signal is performed between each of the heads and the end sections of the optical fibers.