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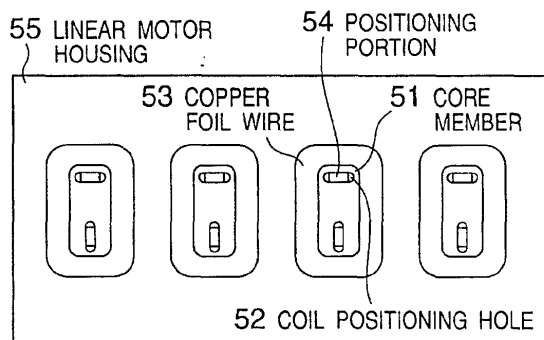
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(54) **Linear motor and exposure apparatus using the same**

(57) Some of linear motors which constitute an exposure apparatus have coils (16) each obtained by winding a copper foil wire (53) as a foil-like conductor having an insulating layer around a core member (51) in a multilayered structure. The coil (16) is fixed to a positioning portion (54) serving as the coil fixing portion of

the linear motor by using the core member (51). The core member (51) is formed from the same insulating material with low thermal conductivity as that of the positioning portion (54) of a linear motor housing (55) or a material with almost the same linear expansion coefficient.

**FIG. 1A**



**FIG. 1B**

