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(54) **DIRECT DRIVE SYSTEM**

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(57) **ABSTRACT**

The present disclosure provides direct drive system, including stator, a primary assembly, mover, secondary assembly, and first magnetic yoke. One side of stator being provided with first magnetic yoke. The primary assembly is arranged on first magnetic yoke. The mover has first support surface and second support surface. First support surface and second support surface are arranged on two opposite sides of stator. The secondary assembly is arranged on first support surface. The secondary assembly faces primary assembly, first gap is formed between secondary assembly and primary assembly. A magnetic field loop is formed among secondary assembly, primary assembly, and first magnetic yoke. The side of stator away from first magnetic yoke faces second support surface. Second support surface is to support a work table surface. The direct drive system is reasonable in structure design, can better protect primary assembly and secondary assembly, and has high stability and reliability.

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