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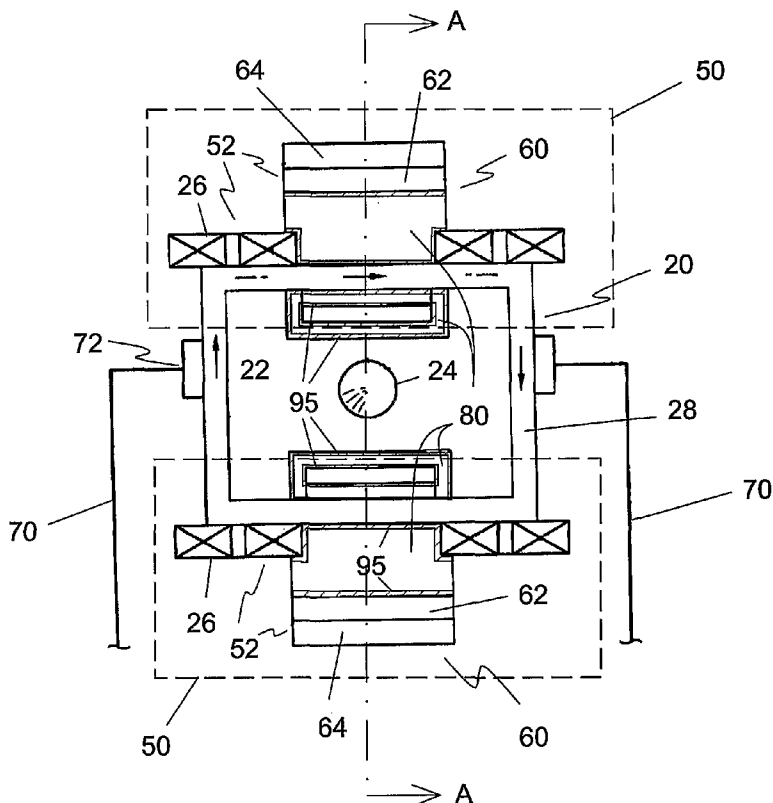
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(54) Title: OPTICAL PICK-UP ACTUATOR AND METHOD FOR ASSEMBLING AN OPTICAL PICK-UP ACTUATOR

10



(57) Abstract: The method of assembling a pick-up actuator includes assembling a lens holder assembly to a base unit creating a magnetic gap between complementary electro-magnetic components of the lens holder assembly and the base unit, disposing a quantity of a volatile magnetic fluid or a low viscosity oil-based magnetic fluid into the magnetic gap created between complementary electro-magnetic components of a lens holder assembly and a base unit, fixing resilient support members between the lens holder assembly and the base unit. The optical pick-up actuator includes a lens holder assembly, a base unit, resilient support members connecting the lens holder assembly and the base unit, an electro-magnetic drive system, and a volatile magnetic fluid or a low viscosity oil-based magnetic fluid.

WO 2004/112012 A2



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