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ABSTRACT

This invention relates to the actuator assembly use in the hard disk. An actuator assembly consist of the arms or E-block (machined solid arms) where the head/suspension is mounted. More particularly, this invention relates to the E-block for the actuator assembly, which consists of stamp arms with sleeve assembly.

Each stamp arm having a center hole to locate and stack onto the sleeve which also serve as a spacer to separate the arms. This assembly will provide both alternatives for either the coil bonding or coil over molding.

Combinations of stamp arms and machined sleeve with coil bonding will reduce the cost and cycle time to produce the E-block. The stamp arm will replace the machining time of the arm, which lead to shorter cycle time. The sleeve will be extruded to its near shape and machined. The cost of using coil over molding is usually higher than coil bonding in this case.