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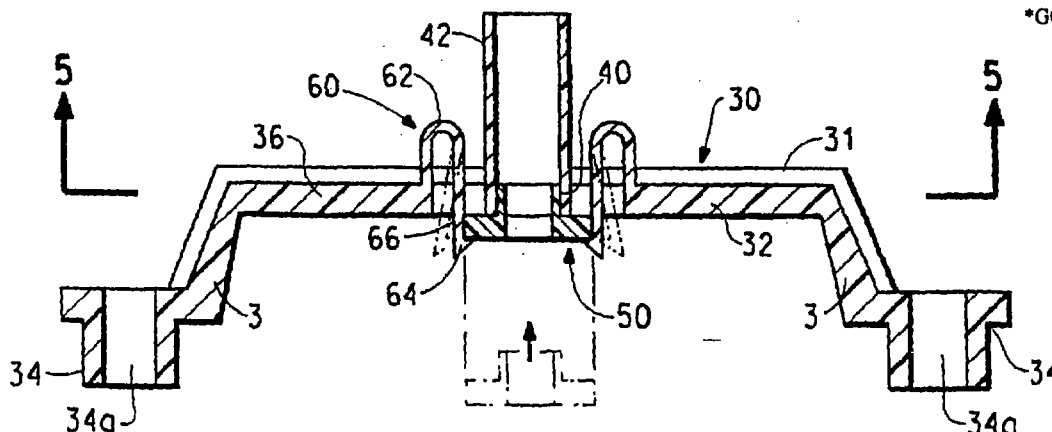


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(54) Title: BEARING SYSTEM FOR A ROTATING SHAFT



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(57) Abstract: A floating bearing system comprising a bearing supported in a clearance fit within a bearing bracket, for example for use in fractional horsepower shaded pole type electric motors. The bearing system is self aligning, to compensate for deviations in the axial alignment of the rotor shaft. A rotation lock restrains the bearing against rotation within the bearing receptacle while allowing the bearing to settle into proper alignment with the rotor shaft by automatically shifting the pitch of the axis of the bearing. In the preferred embodiment the bracket is composed of an engineering plastic and the bearing is composed of a high performance plastic polymer, so that the bearing system is non-lubricating. In the preferred embodiment the bearing bracket is provided with retaining fingers which hold the bearing in place during the assembly and working life of the motor.