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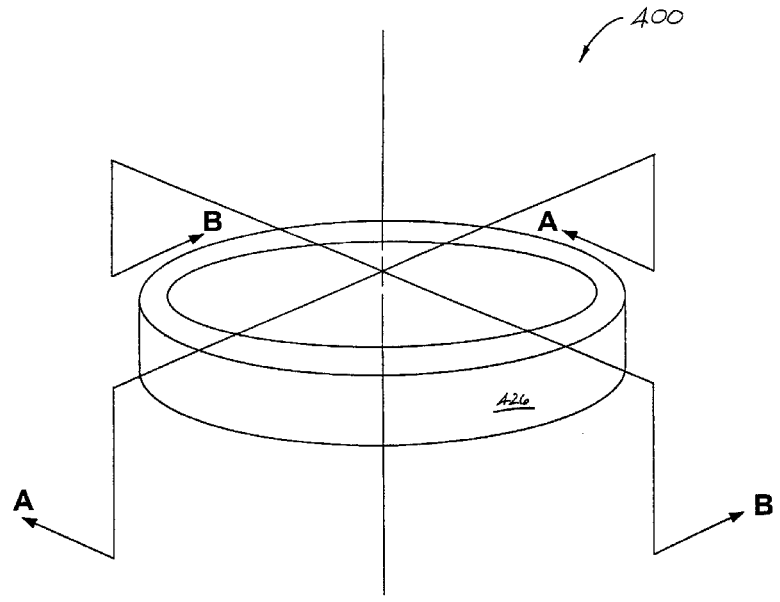
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(54) Title: PROJECTED GIMBAL POINT DRIVE




(57) Abstract: A projected gimbal point drive system is disclosed. The projected gimbal point drive system includes a spindle capable of apply a torque, and having a concave spherical surface formed on its lower portion. Further included is a wafer carrier disposed partially within the lower portion of the spindle. The wafer carrier has a convex spherical surface formed on a surface opposite the concave spherical surface of the spindle. In addition, a drive cup is included that is disposed between the spindle and the wafer carrier. The drive cup has a concave inner surface and a convex outer surface, and allows the wafer carrier to be tilted about a predefined gimbal point. In this manner, torque can be applied without affecting the gimbal action.

WO 02/02276 A2