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(57) Abstract

A polyphase spindle DC motor (figure 1A, 1B) providing a torque (figure 1A) and an additional radial force (F, figure 1B) within the spindle motor utilizing the spindle components (magnets and stator laminations). Interaction between the magnets and currents flowing through conductors create the torque and radial force (F) required for overall stability and efficient operation of the system.

