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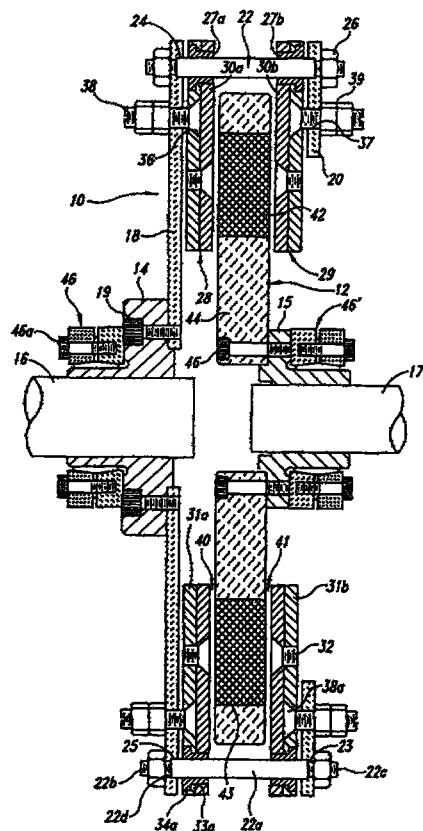
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(54) Title: PERMANENT MAGNET COUPLER WITH ADJUSTABLE AIR GAPS



(57) Abstract: A cage (10) carrying two axially adjustable conductors (28, 29) is mounted on one shaft (16) and a rotor (12) is mounted on a second coaxial shaft (17) to occupy a position between the conductors. Permanent magnets (42) on the rotor (12) have poles spaced by air gaps (40, 41) from the conductors (28, 29). The air gaps are adjusted by sliding the conductors toward and away from one another along slide members on the cage (10) by use of adjustment units (38) engaging the conductor rotors. Alternatively, the conductors (28, 29) can be mounted on the rotor (12), and the magnets (42) can be adjustably mounted on the cage (10).

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