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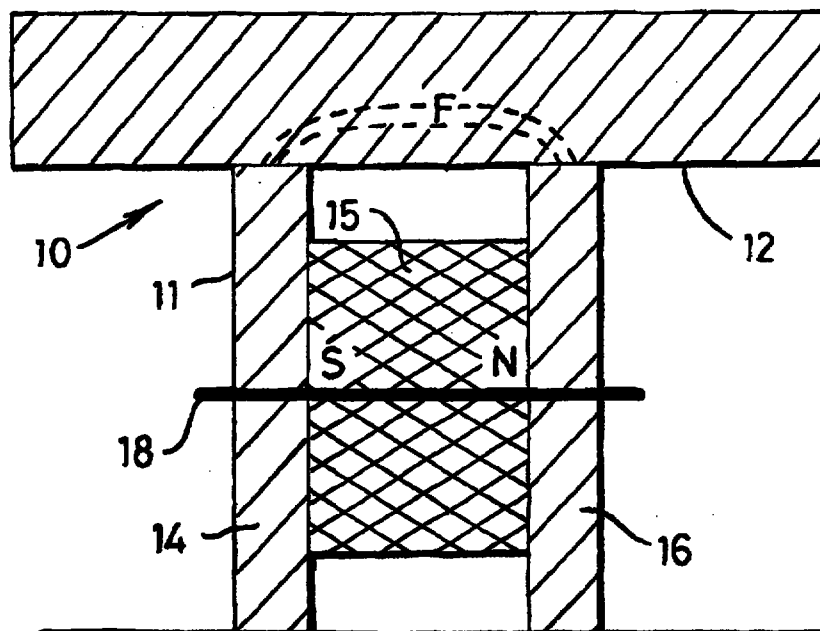
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(54) Title: MOTION TRANSMISSION DEVICES

(57) Abstract

A magnetic motion transmission device (10) which comprises a magnetic body (15) which has an outer cylindrical surface and radial end walls, is polarised axially of the cylindrical surface and, at the opposed radial ends of the cylindrical surface, has a pair of disc-like pole plates (14, 16) that are of a like diameter greater than the diameter of the cylindrical surface. The pole plates (14, 16) are mounted axially at the opposed radial ends of the magnetic body by an axle pin (18) of non-magnetic material (e.g. brass). The device (10) serves in use to effect motion transmission between first and second members (11, 12), the second surface being either planar or cylindrical or frusto-conical. Examples described of applications of the magnetic motion



transmission device (10) include an arrangement in which the second member (12) is cylindrical and provides a rotary output drive – derived magnetically from the first member (11) – to an angularly rotatable output shaft of a pivoting gate or like closure member for an opening, and an arrangement in which the second member is an upstanding planar surface internally of a hollow bollard located adjacent one edge of a throughway, and a barrier element extends from a said first member within the hollow bollard to another said first member within a similar bollard located adjacent an opposite edge of the throughway.