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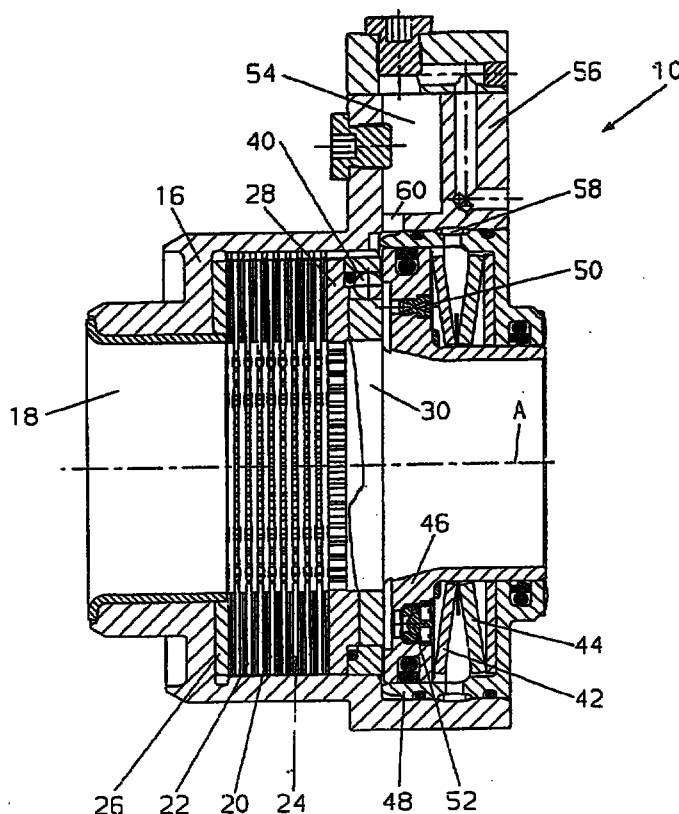
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(54) Title: A DEVICE FOR DAMPING PIVOTAL MOVEMENTS OF A WHEEL-SUPPORTING PENDULAR ARM OF A MOTOR VEHICLE



(57) Abstract: A device for position and speed-dependent damping of pivotal movements of a wheel-supporting pendular arm (12) of a motor vehicle, the device comprising a housing (16) with a cavity for rotatable support of a swing axle of the pendular arm (12); a plate pack arranged in the housing; a first annular pressure disk (28), torsionally fixed but axially moveable on the swing axle of the pendular arm; a second annular pressure plate (30), torsionally fixed but axially moveable in the housing (16), the two pressure plates (28, 30) having opposing sides with members (32, 34) designed, on rotation of the first pressure plate (28), to produce an axial movement of the pressure plates (28, 30) relative to one another; and a compression spring unit (42, 44), designed to exert a compressive force on the pressure plates and on the plate pack. An axially moveable piston (46) is arranged between the compression spring unit (42, 44) and the pressure plates (28, 30), a restrictor element (50, 62) allowing a hydraulic pressure medium to flow from one side of the piston (46) to the other.

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