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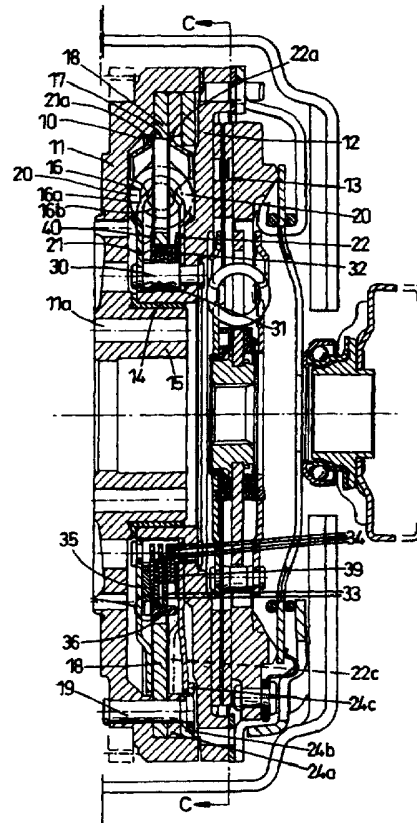
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(54) Abstract Title: **Twin mass fly wheel**

(57) A twin mass flywheel (10) having an input mass (11) for connection with an engine, an output mass (12) for connection with a transmission, bearing means (14) supporting the masses for limited relative rotation, an annular radially extending flange (18) connected adjacent to its outer or inner periphery with one (11) of the masses, a pair of annular side plates (21, 22) located on either side of the flange and connected at their inner or outer peripheries with the other mass (12), and circumferentially extending spring means (16) acting between the flange and the side plates to damp relative rotation between the masses. The flywheel also includes a friction device (32) acting between the masses, this friction device is located between the side plates (21,22) and includes a first friction member (35) which acts between one (21) of the side plates and the flange (18) and a first axially acting spring (40) located between the flange (18) and sad one side plate (21) to load the first friction member (35) against the side plate (21) and take up any play between the fiction member and the flange, thus tending to control any tapping of the side plates (21, 22) relative to the flange (18) as the flywheel rotates.



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