

Title (en)
TWIN MASS FLYWHEELS

Title (de)
ZWEIMASSENSCHWUNGRÄDER

Title (fr)
VOLANT A DEUX MASSES

Publication
EP 1567785 A1 20050831 (EN)

Application
EP 03782592 A 20031204

Priority
• GB 0305284 W 20031204
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Abstract (en)
[origin: WO2004053354A1] A twin mass flywheels 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 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 (18) and connected at their inner or outer peripheries with the other mass (12), and circumferentially extending spring means (16) acting between the flange (18) and the side plates (21,22) to damp relative rotation between the masses. The other peripheries (21a,22a) of the side plates remote from their connection with the other mass (12) contact the flange (18) on either side thereof to limit the tipping of the masses relative to each other during relative rotation. The side plates (21,22) may also either contact the flange (18b) or apply axial pressure to a component (33) rotatable with the flange at a location (21b,22b) radially inboard of the spring means (16) to lend further stabilize the masses against tipping. A friction device (32) may be provided between the side plates (21,22) adjacent the radially inner periphery of the flange (18).

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