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- (54) **Title:** PENDULUM MASS DAMPER

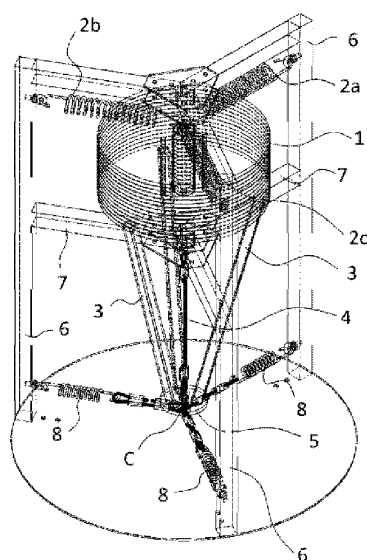


Figure 1

(57) **Abstract:** A tuned pendulum mass damper damping oscillation of tall buildings, towers or similar flexible structures. The pendulum mass damper is directed to applications requiring a low frequency tuned mass damper (TMD) reducing a e.g. wind or earthquake induced displacement response of the structure. A pendulum mass damper for damping oscillations of a structure comprising a mass (1) balanced by a first spring system (2a, 2b, 2c) and supported by a carrying part (4) to maintain a vertical position, the carrying part (4) carrying the mass (1) in the vertical direction extends between the mass (1) and a position (C) below the mass (1), i.e. the weight of the mass (1) is carried or supported from or at a point or level below the mass (1), wherein the mass (1) at the position (C) below the mass is fixed and/or connected to a unit (5) constituting a base of a supporting system for the mass (1) which unit (5) is floating i.e. the unit (5) can move either horizontally or both horizontally and vertically.

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