Title (en)
CENTRIFUGAL PENDULUM AND DRIVE SYSTEM HAVING A CENTRIFUGAL PENDULUM OF SAID TYPE

Title (de)
FLIEHKRAFTPENDEL UND ANTRIEBSSYSTEM MIT SOLCH EINEM FLIEHKRAFTPENDEL

Title (fr)
PENDULE CENTRIFUGE ET SYSTÈME D'ENTRAÎNEMENT MUNI D'UN TEL PENDULE CENTRIFUGE

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Application
EP 15766390 A 20150819

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Abstract (en)
[origin: WO2016026494A1] The invention relates to a centrifugal pendulum (15) which can be mounted such that it can be rotated about a rotational axis (20), having a pendulum flange (30), a coupling device (36) and a pendulum mass (35), wherein the pendulum mass is coupled by way of the coupling device on the pendulum flange such that it can be deflected with regard to the pendulum flange out of the rest position (105) over a swinging angle (φ) along a pendulum track (90), wherein the pendulum track is configured in such a way that the centrifugal pendulum has an absorber order (q) which is dependent on the swinging angle, in order to at least partially damp an exciter order of a drive motor (25), wherein the pendulum track has a first section (110) below a predefined swinging angle (φv) and a second section (115) above the predefined swinging angle, wherein the pendulum track is configured in the first section in such a way that the absorber order is substantially constant over the swinging angle, wherein the pendulum track is configured in the second section in such a way that the absorber order changes above the predefined swinging angle in a manner which is dependent on the swinging angle.

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