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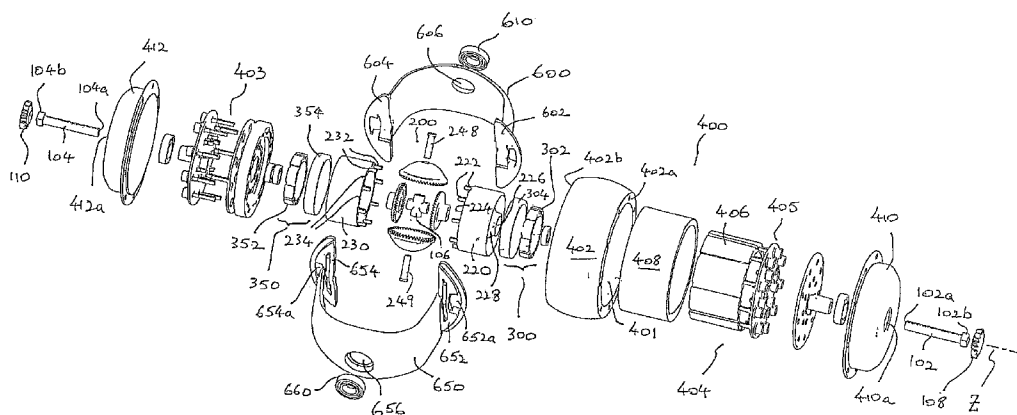
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(54) Title: **GYROSCOPE APPARATUS**



(57) Abstract: Gyroscope apparatus (100) having a compact size is disclosed herein. The apparatus (100) comprises a flywheel (402) having a centre cavity (401) and being arranged to be rotated about a Z-axis. The apparatus (100) further includes two motors (300, 350) and a gear assembly (200) driven by the two motors and arranged to rotate two shafts (102, 104) disposed along the Z-axis, thus rotating the flywheel about a Y-axis which is orthogonal to the Z-axis. Since flywheel (402) is disposed around the motors (300, 350) and the gear assembly (200), the apparatus can be made very compact.