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(54) Title: A MECANUM WHEEL MODULE

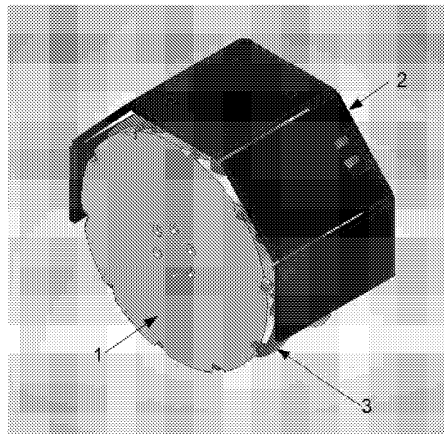


Figure 1

(57) Abstract: A compact mecanum wheel module is disclosed. The mecanum wheel module comprises: a hub that is configured to house a motor. The hub comprises a circular planar portion and a cylindrical portion extending from the circular planar portion. The cylindrical portion forms a base of a rim of the wheel. A plurality of rollers are mounted on and around the base of the rim, the plurality of rollers each comprising a shaft and a rotatable body, the rotatable body being mounted to the shaft via needle bearings.

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