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(54) Title: LINEAR PERISTALTIC PUMP

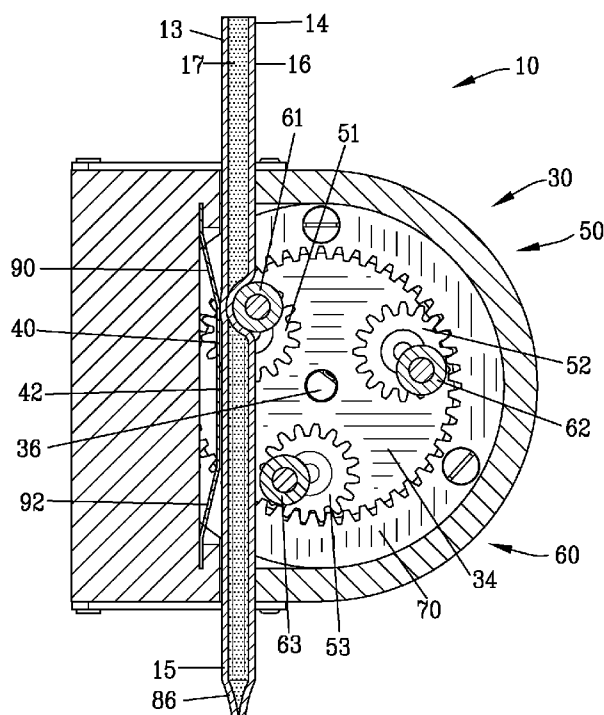


FIG. 16

(57) Abstract: Linear peristaltic pump for pumping a fluid through a flexible tube (13) comprises a rotatable central member (34) with a plurality of radially disposed planetary gears (51-53). An offset roller (61-63) is disposed on each of the planetary gears (51-53). The flexible tube (13) is inserted between a generally flat compression surface (40) and at least one of the plurality of rollers (61-63). Rotation of the central member (34) enables the plurality of rollers (61-63) to serially collapse the flexible tube (13) and to move in a substantially linear motion along the generally flat compression surface (40) for pumping the fluid through the flexible tube (13).



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

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