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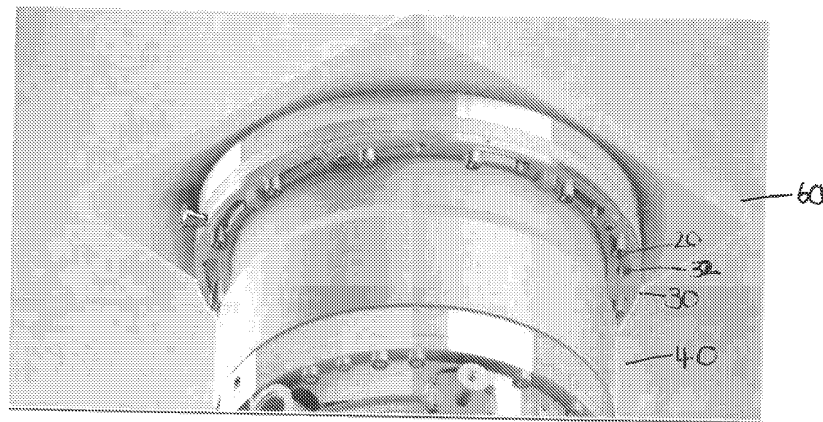


Figure 7

(57) Abstract: A flanged vacuum pump, a vacuum system and a method of mounting a vacuum pump to a vacuum chamber are disclosed. The vacuum pump (10) comprises an inlet flange (12) (42) for receiving a plurality of protruding fixing elements (22) extending from the vacuum chamber. The protruding fixing elements comprise an enlarged retaining portion (39) at an end remote from the vacuum chamber and a fastener receiving portion (24) having at least one radial dimension that is smaller than a corresponding dimension of the enlarged retaining portion. A fastening mechanism is provided that comprises a plurality of slots (34) each extending from a same side of a plurality of apertures (32). The fastening mechanism is configured to be rotatable between a mounting position in which the apertures (32) are aligned with the protruding fixing elements (22) and a sealing position in which the slots (34) are aligned with the protruding fixing elements (22).

[Continued on next page]

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