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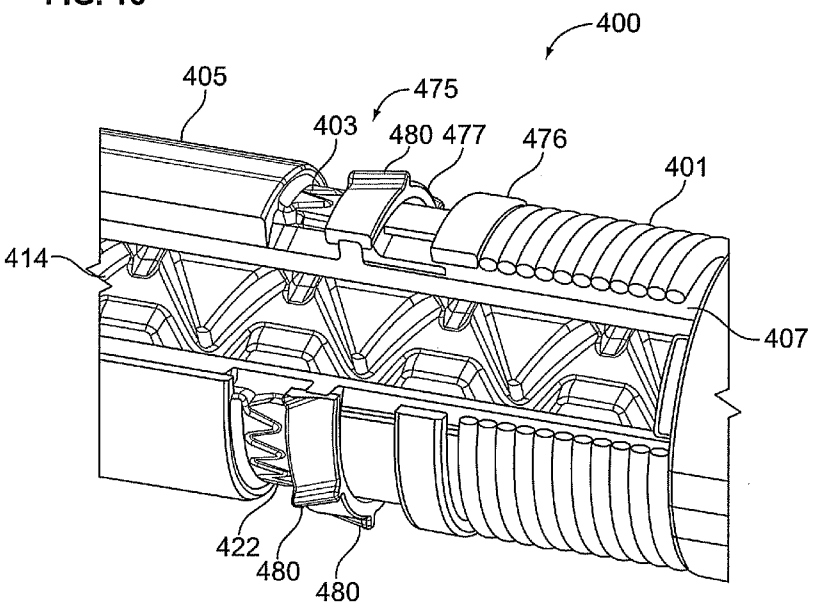
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(54) **Title**: DRUG DELIVERY DEVICE INNER HOUSING HAVING HELICAL SPLINE

FIG. 16



(57) **Abstract**: A dose setting mechanism (4) for a drug delivery device (1) is disclosed. The mechanism comprises an outer housing (40) and an inner housing (44) having an external groove (62) and a helical spline (68). The inner housing helical spline guides a driver (30) to dispense a set dose. A dial sleeve (10) is disposed between the outer and inner housing and is rotatably engaged with the inner housing. When a dose is set, the dial sleeve is rotated and translates away from both the outer housing and the inner housing.

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