

FIG. 1

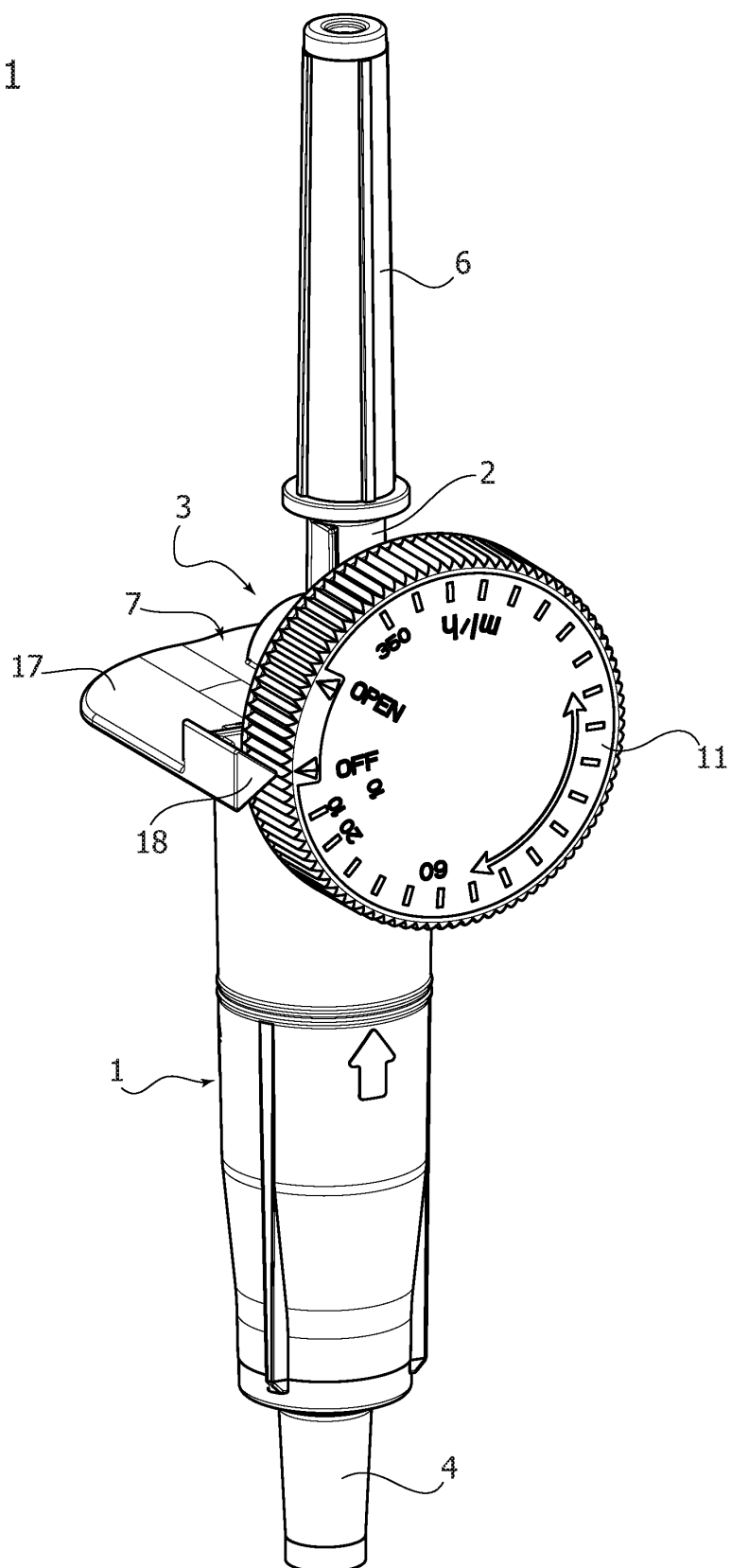


FIG. 2

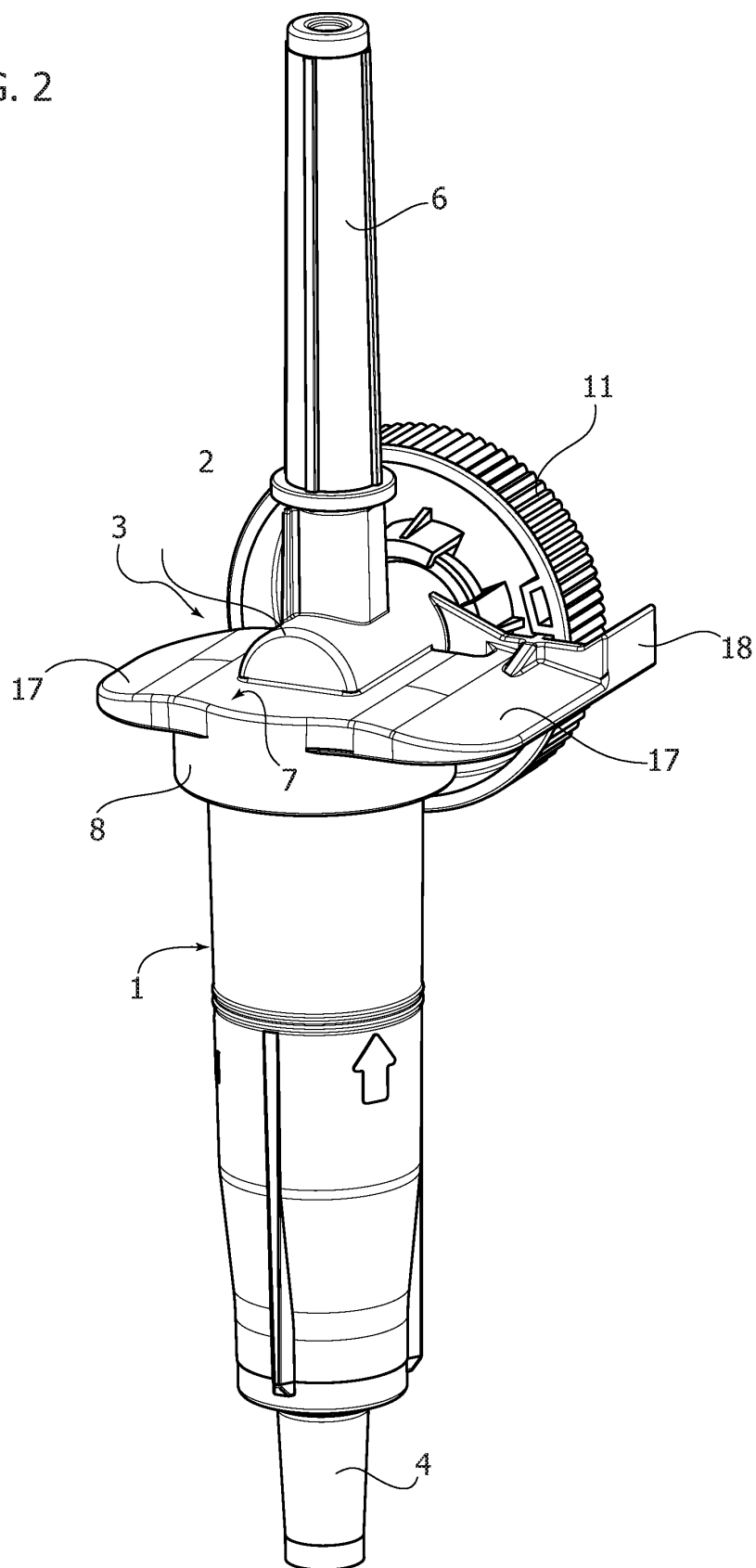




FIG. 4

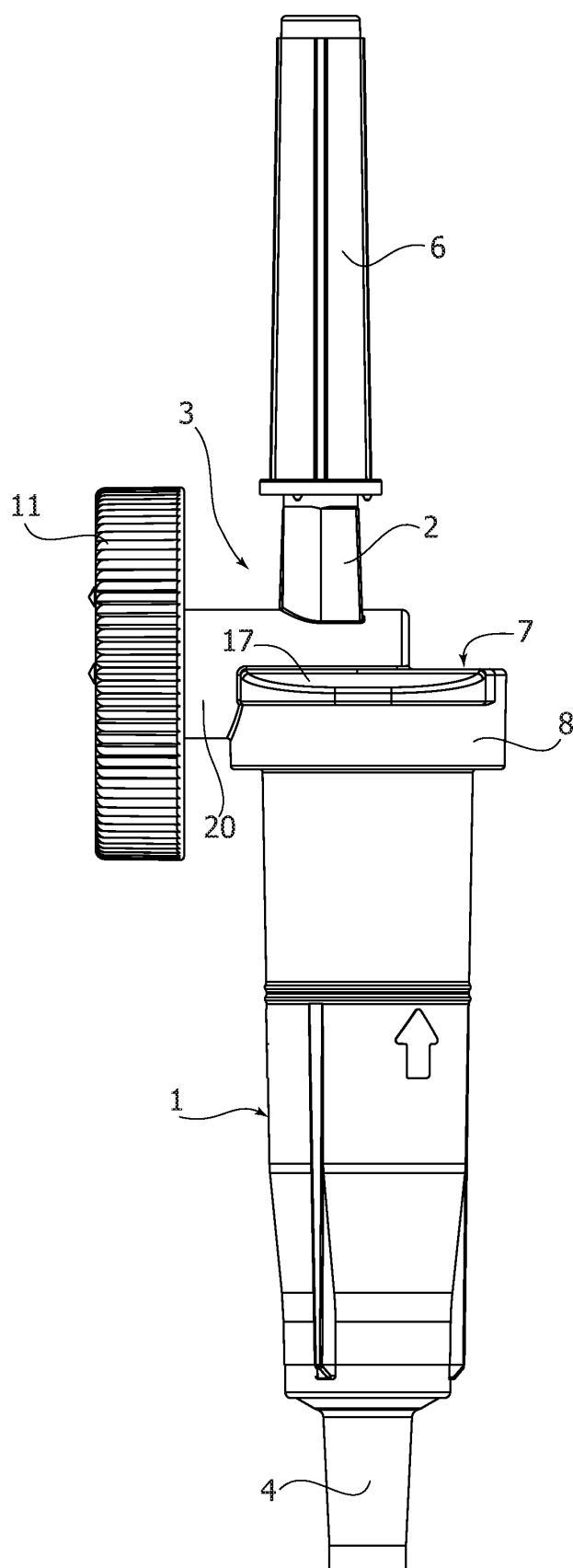


FIG. 5

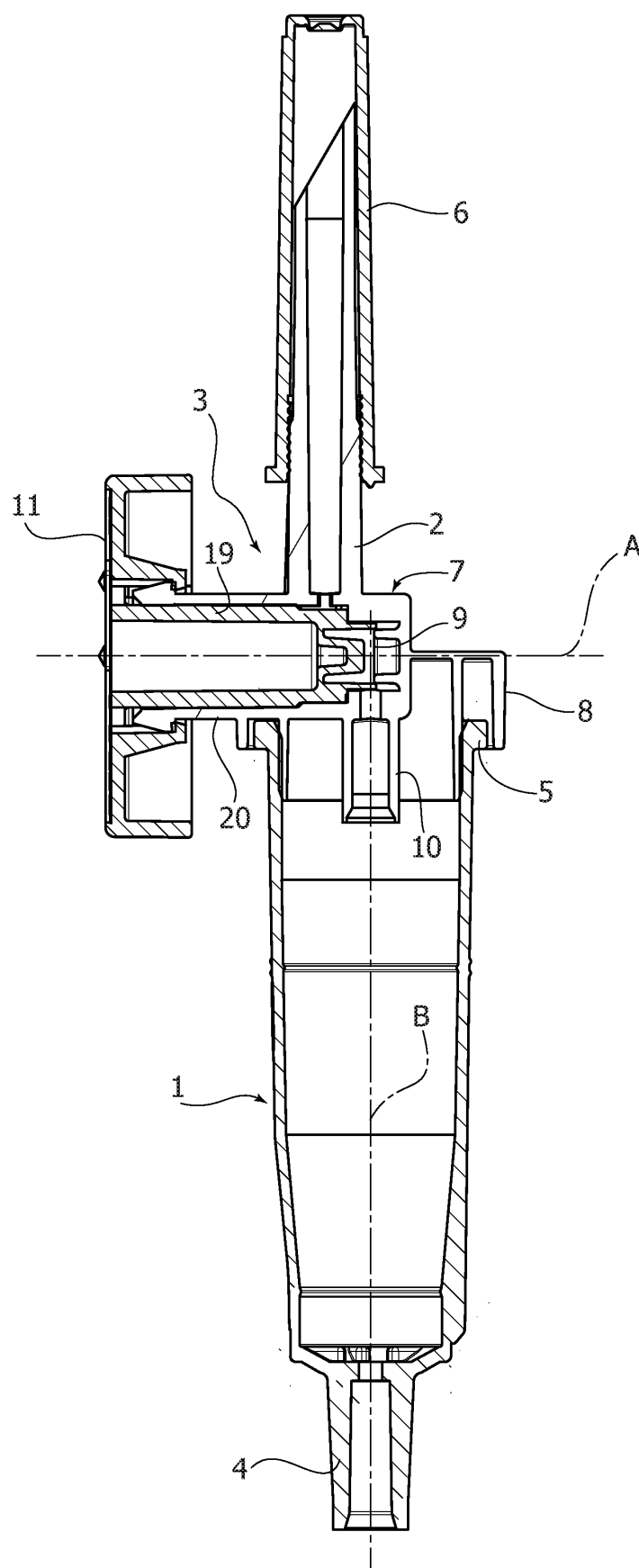




FIG. 7

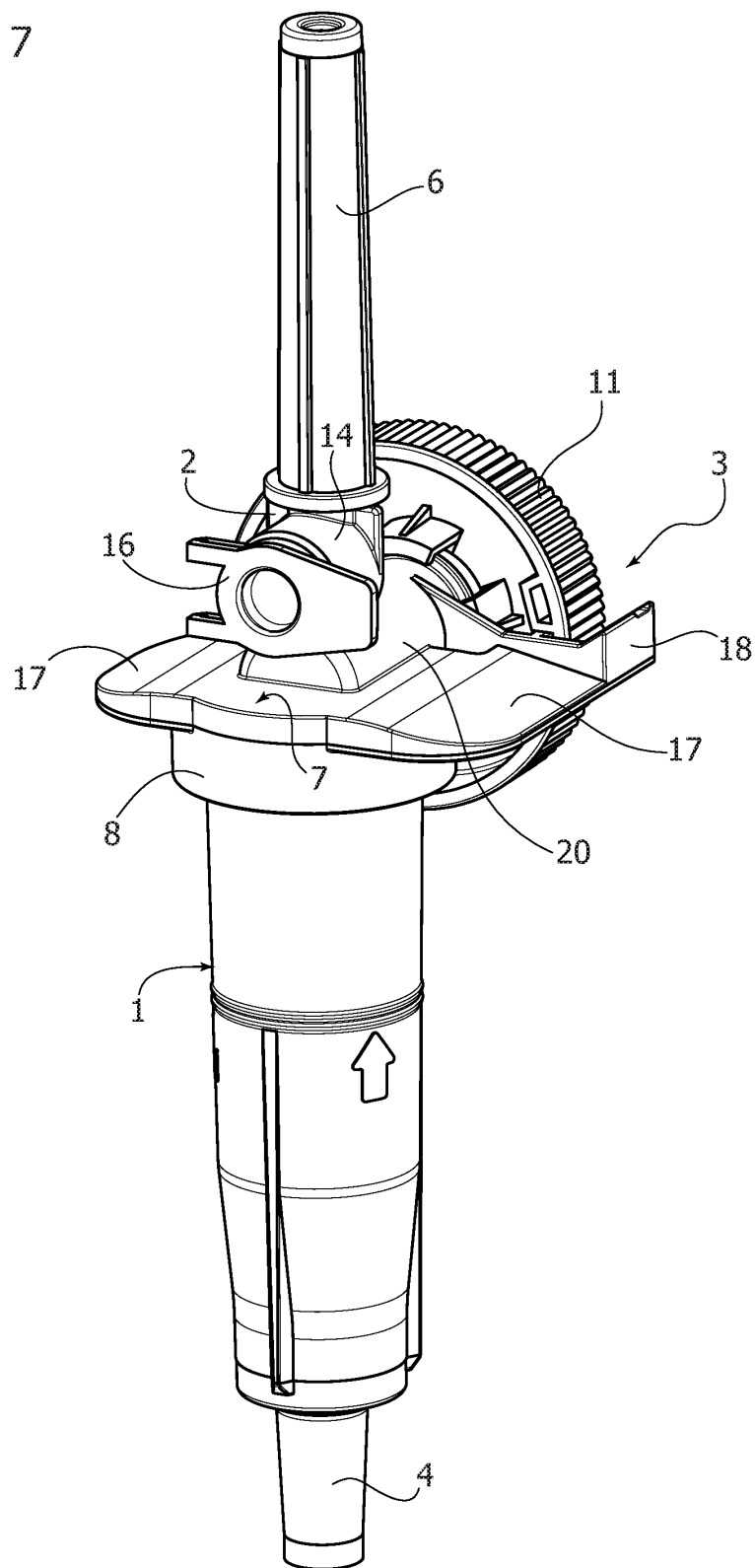


FIG. 8

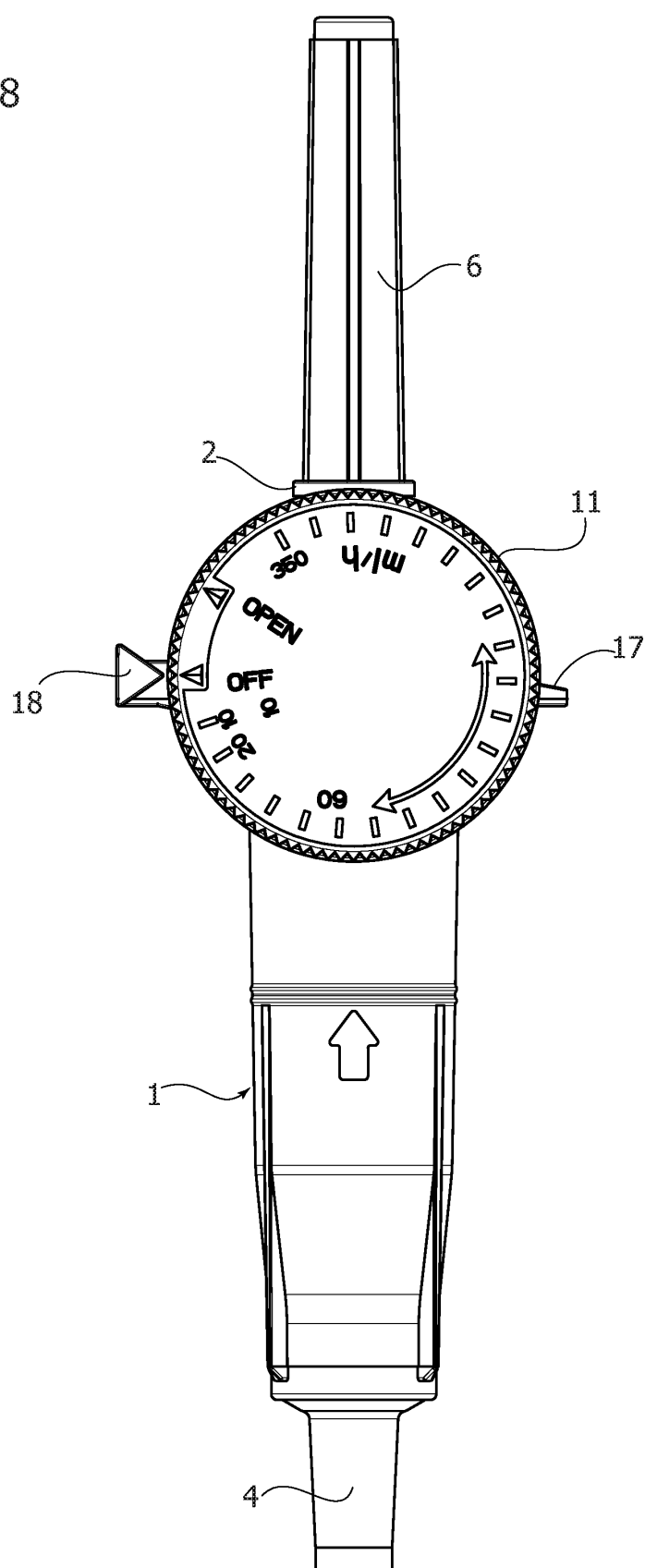


FIG. 9

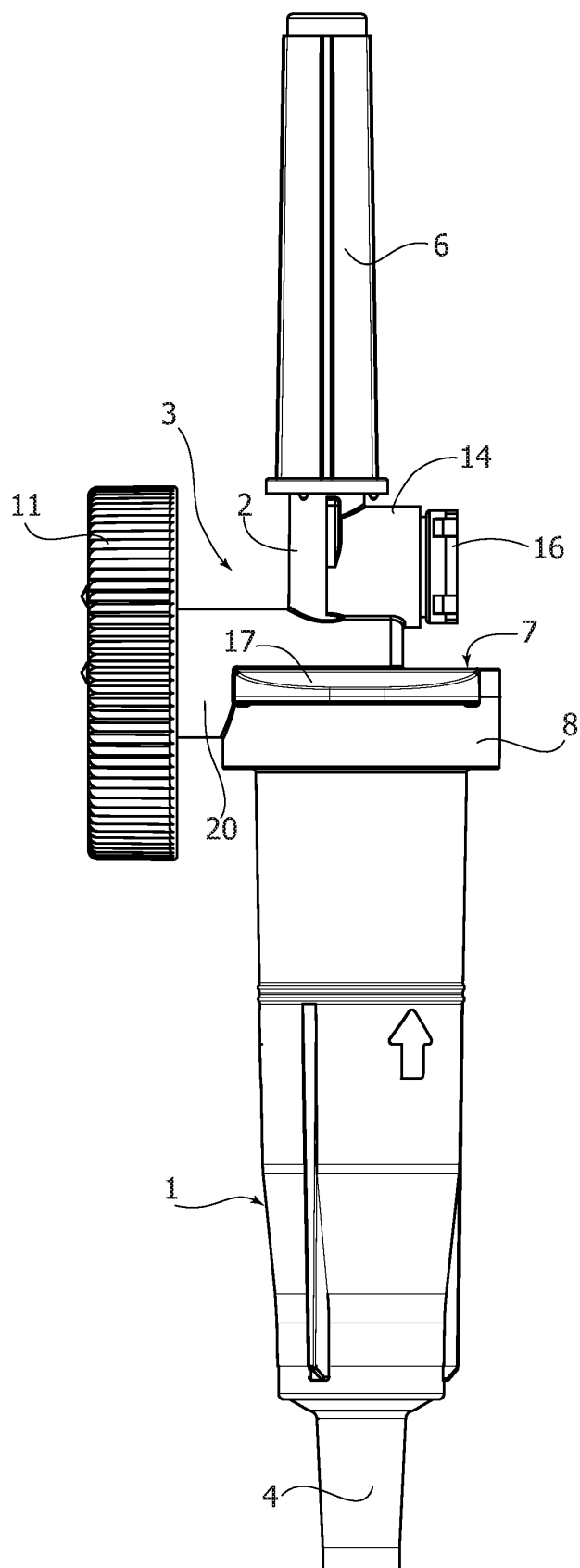
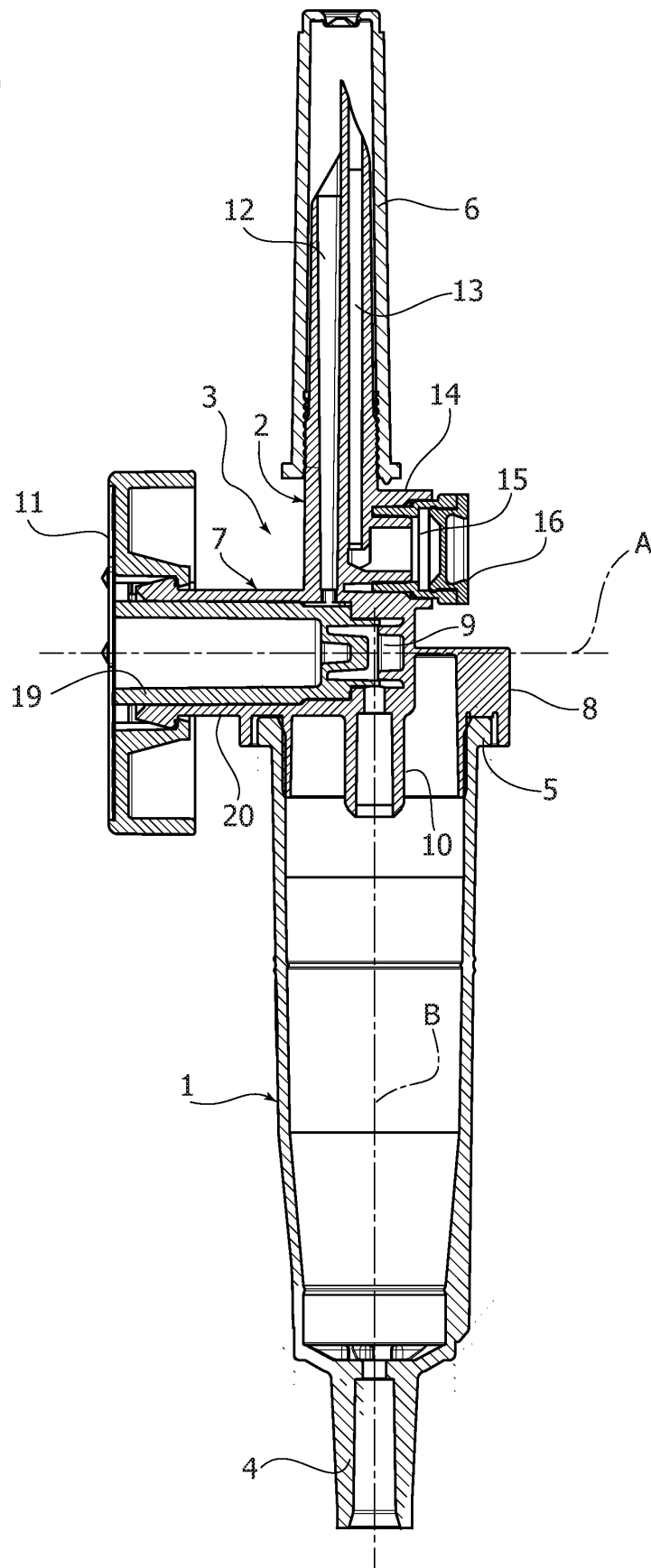


FIG. 10



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FIG. 11

FIG. 11 is a cross-sectional view of a mechanical assembly. The assembly includes a central vertical shaft (6) and a housing (8). The shaft (6) has a central bore (13) and a side passage (12). A piston (14) is located in the side passage (12), with a seal (15) and a spring (16) on its right side. A fluid inlet (2) enters the side passage (12) from the left, passing through a valve (3) and a seal (7). A fluid outlet (10) exits the bottom of the shaft (6). A fluid inlet (19) enters the housing (8) from the left, passing through a seal (11) and a valve (20). A fluid outlet (5) exits the bottom of the housing (8). A fluid inlet (9) enters the housing (8) from the right, passing through a seal (15) and a valve (16). A fluid outlet (10) exits the bottom of the housing (8). A fluid inlet (11) enters the housing (8) from the left, passing through a seal (11) and a valve (20). A fluid outlet (5) exits the bottom of the housing (8). A fluid inlet (9) enters the housing (8) from the right, passing through a seal (15) and a valve (16). A fluid outlet (10) exits the bottom of the housing (8).