

1 / 30

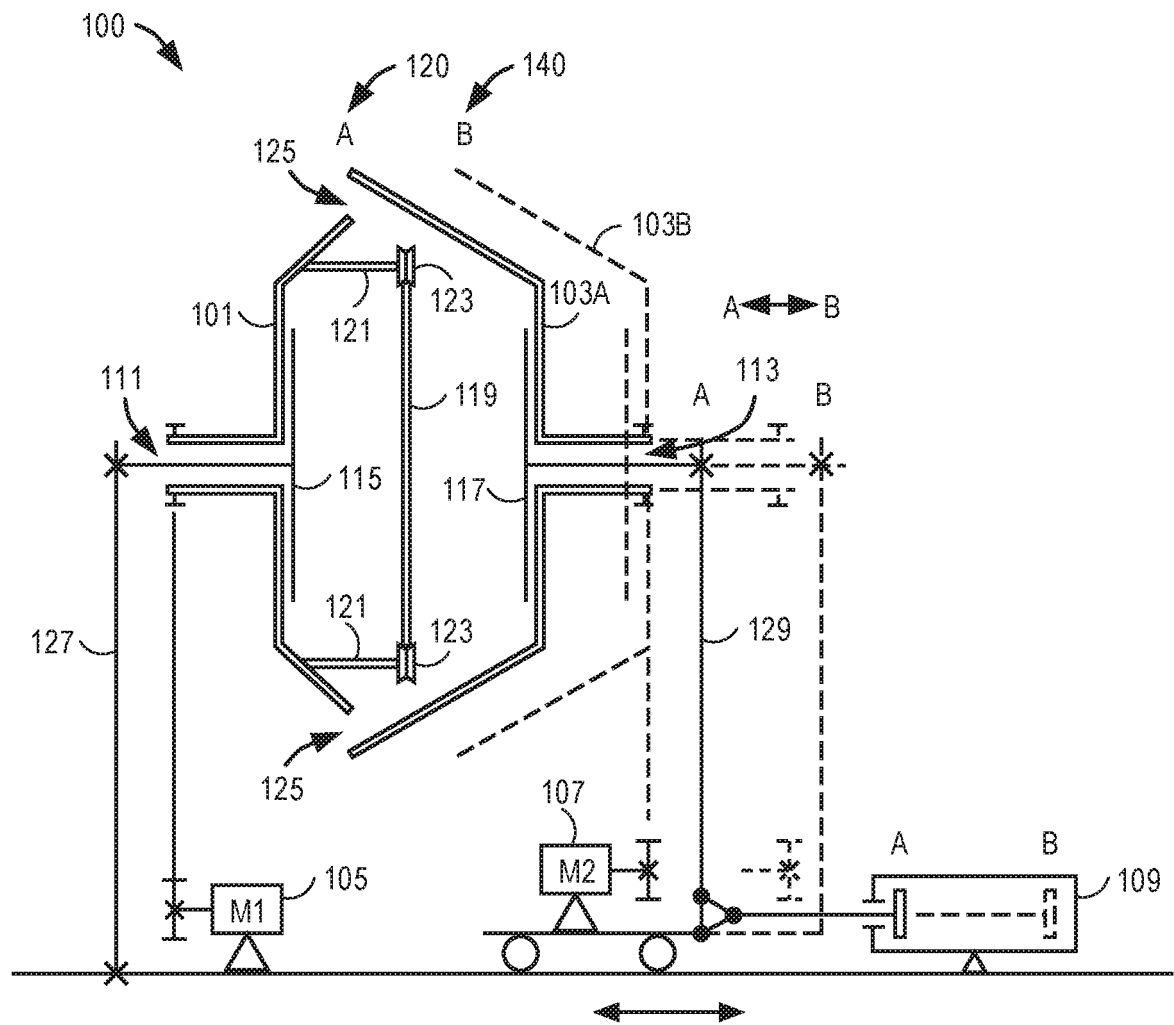


FIG. 1

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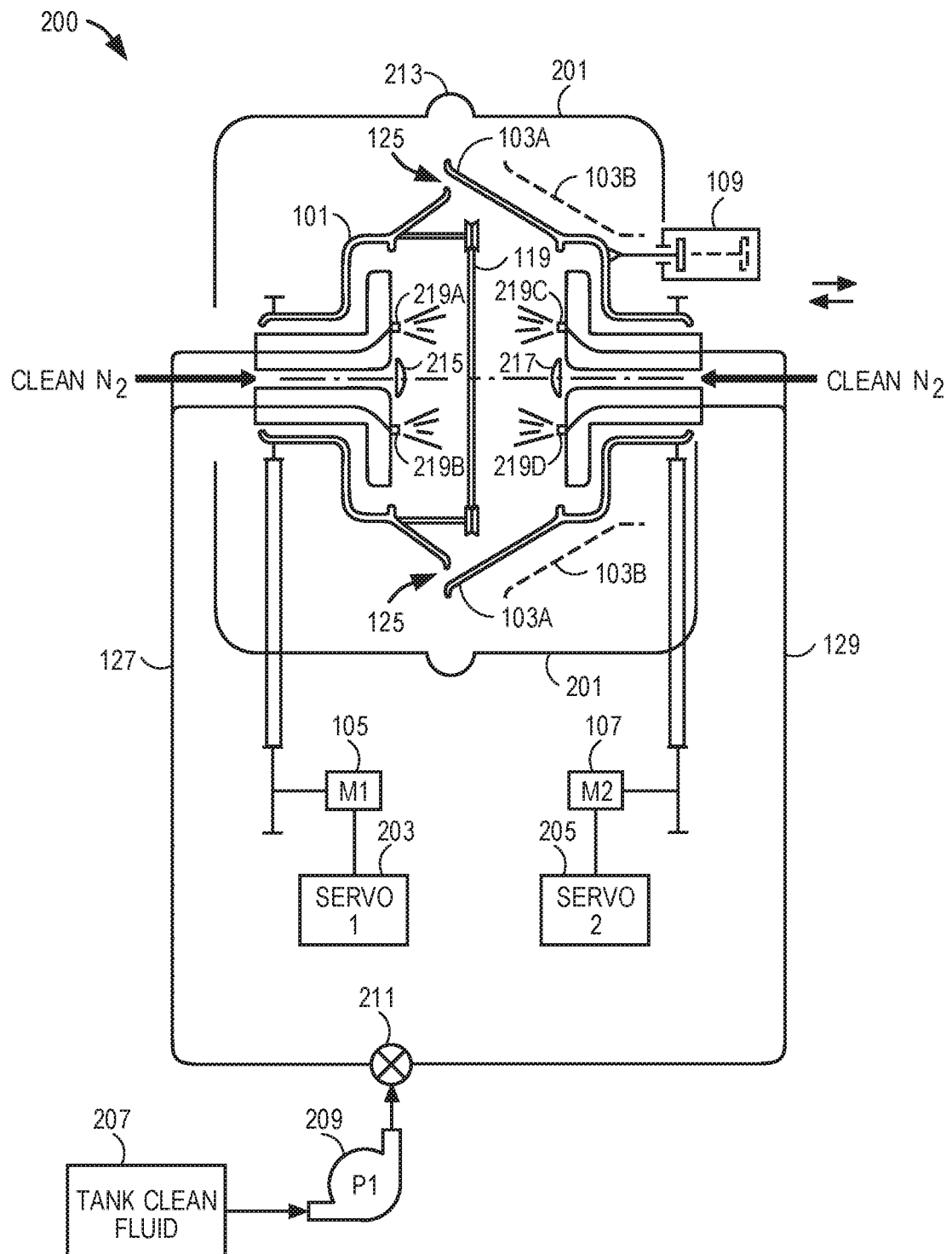


FIG. 2

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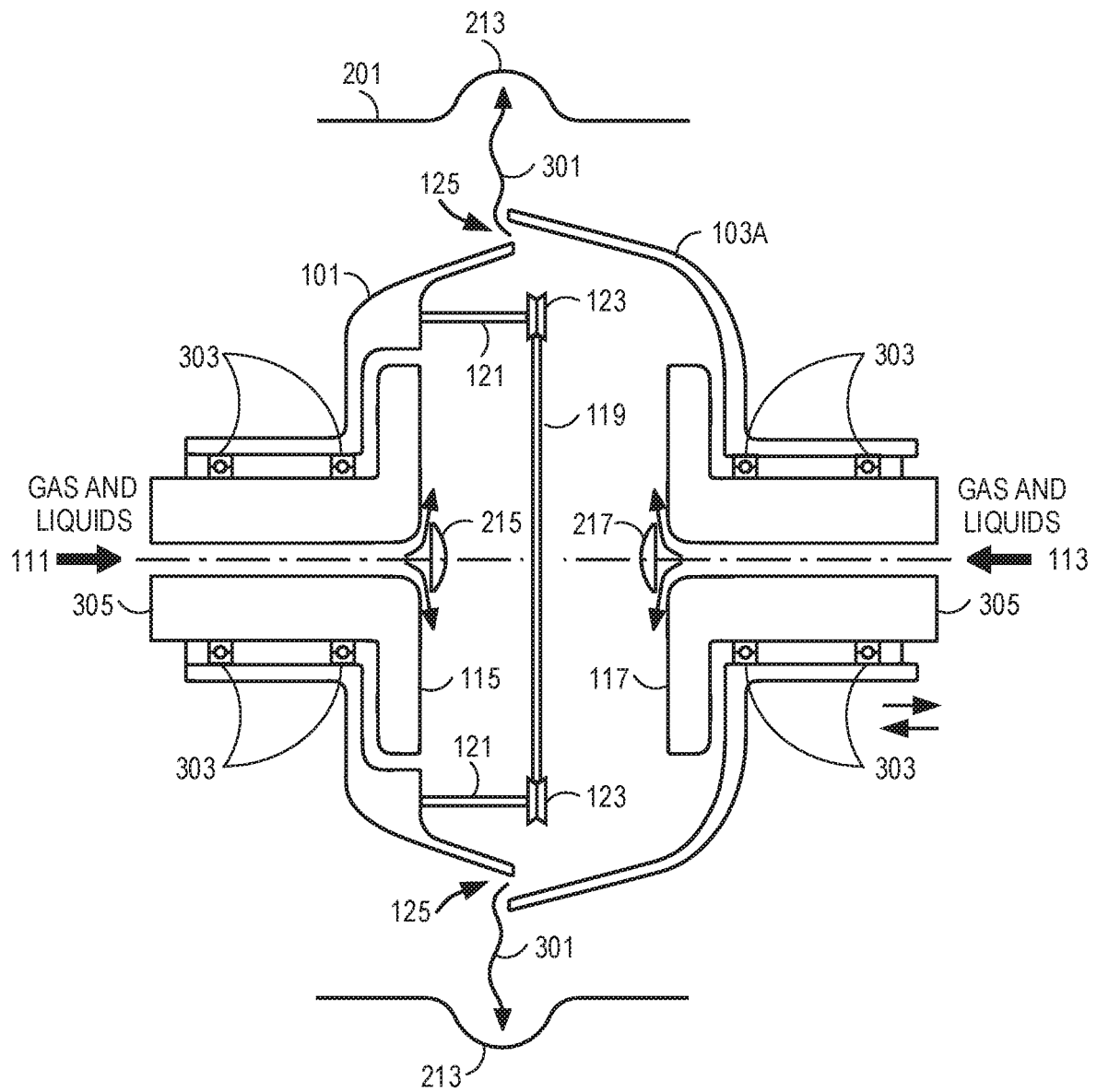


FIG. 3

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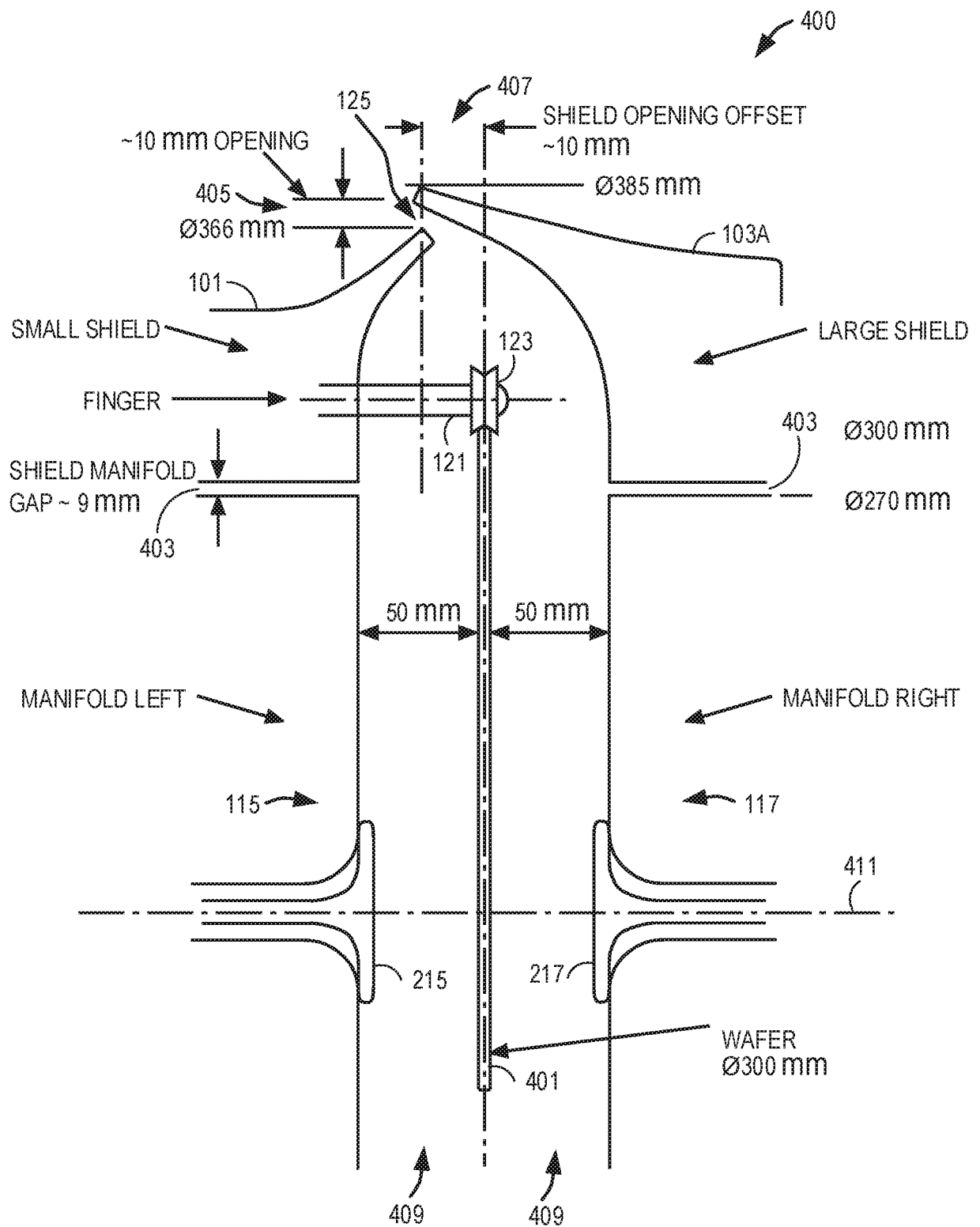


FIG. 4

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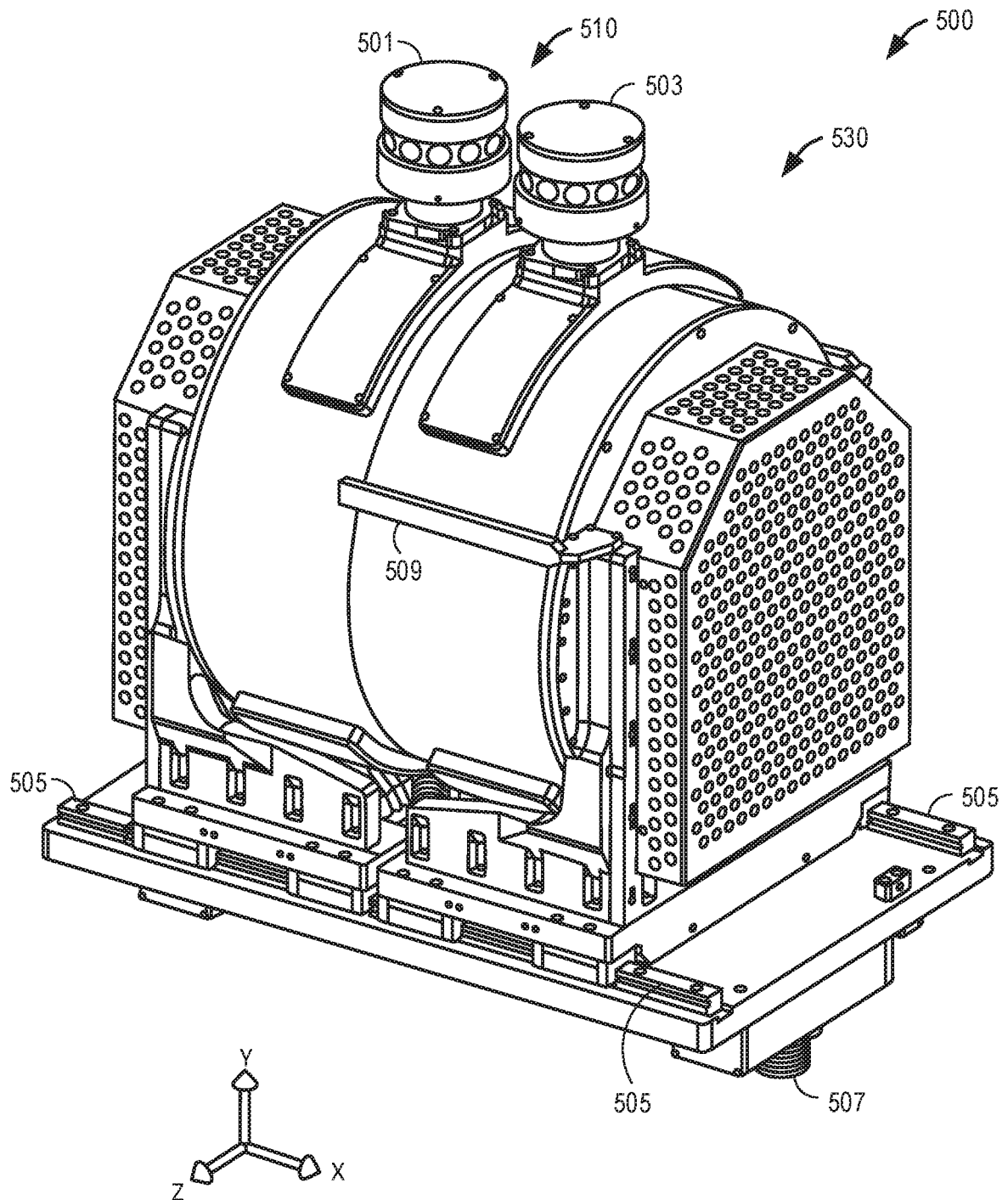


FIG. 5

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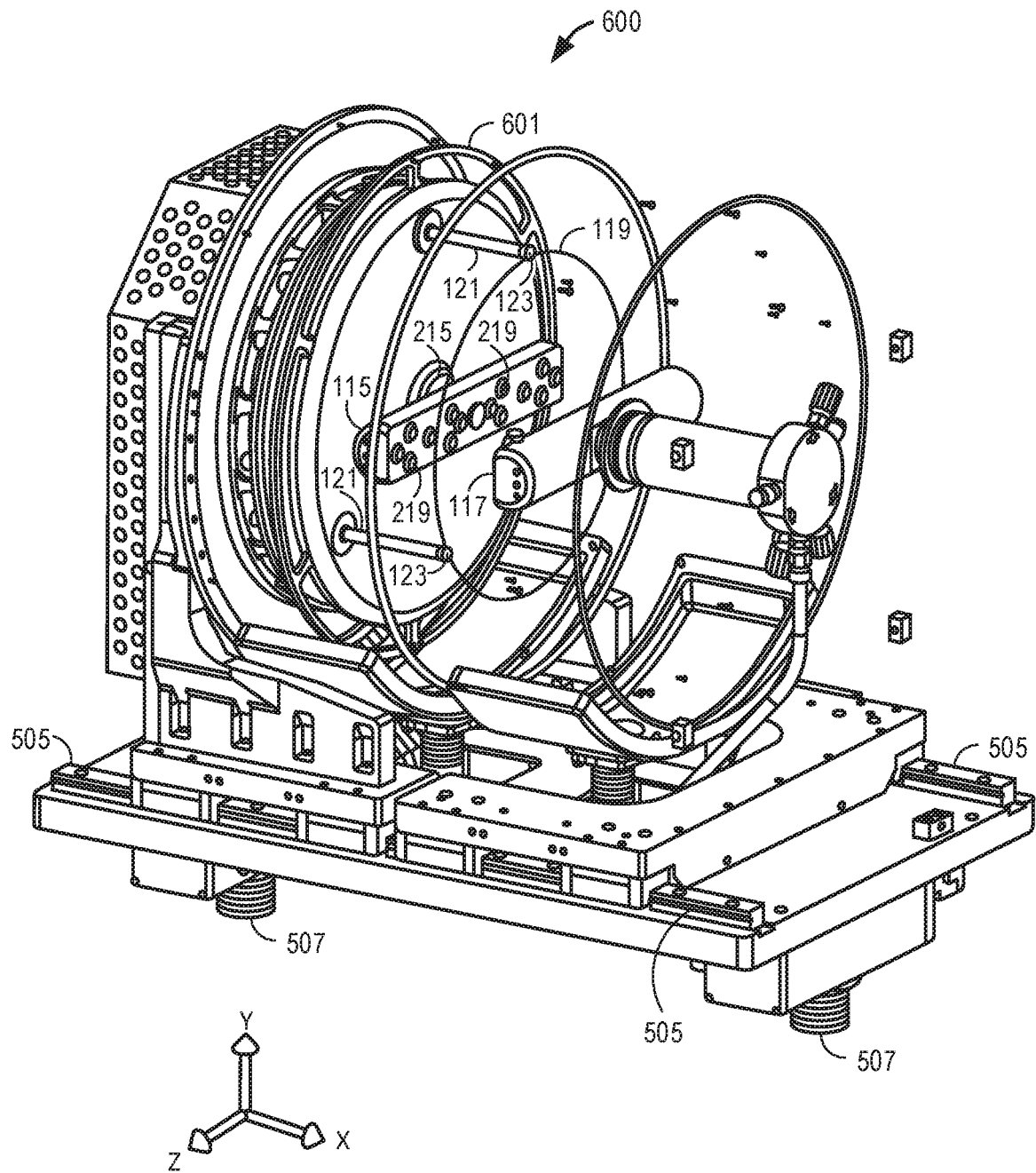


FIG. 6

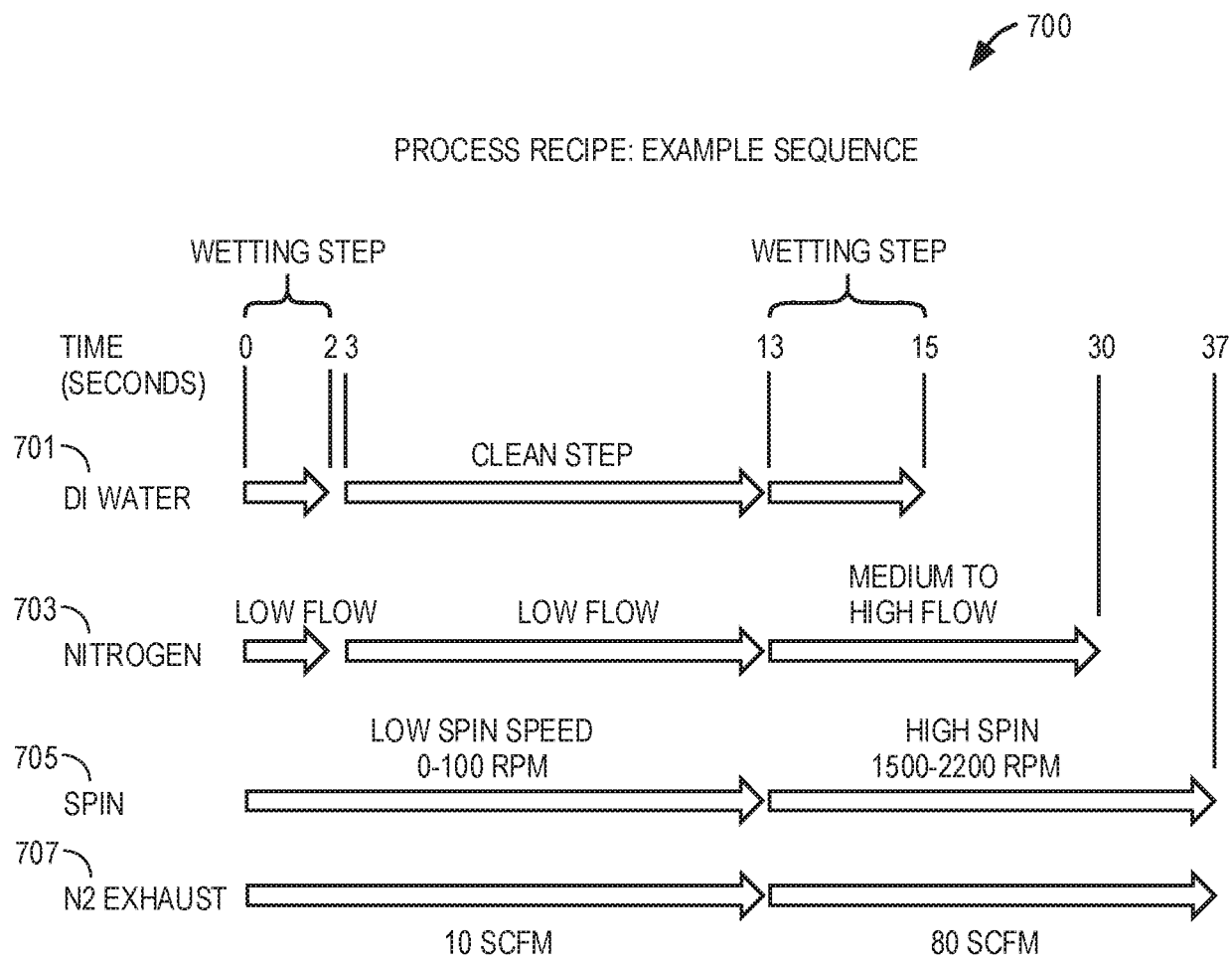


FIG. 7

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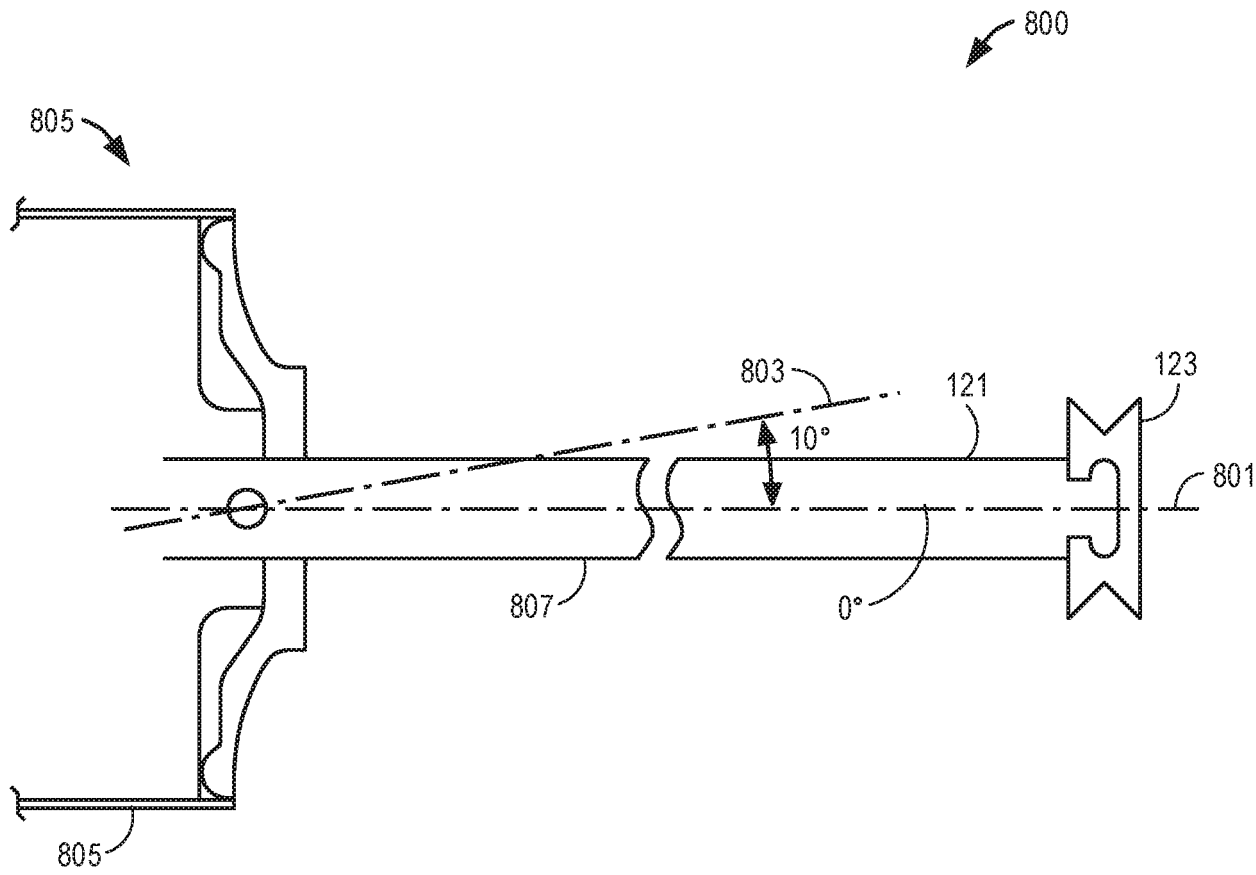


FIG. 8

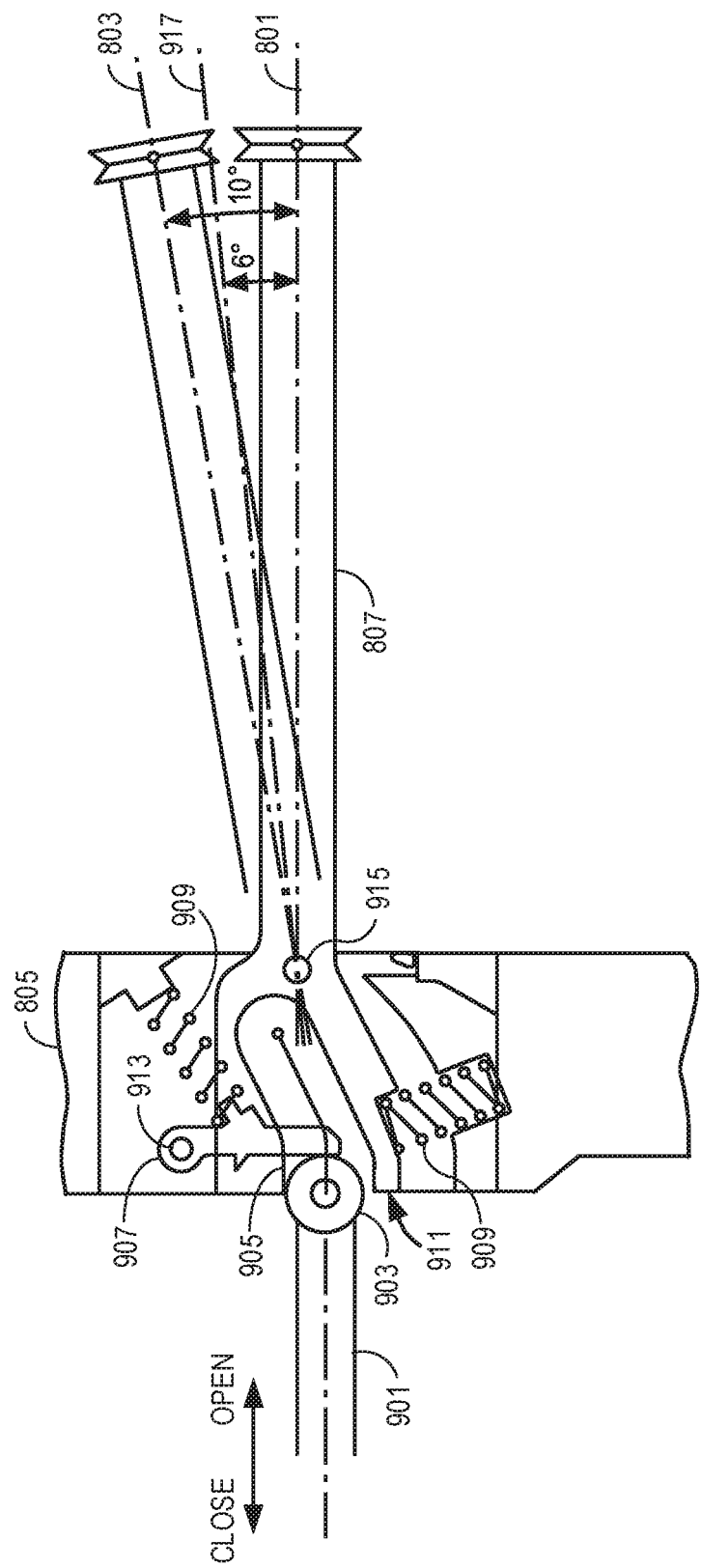


FIG. 9

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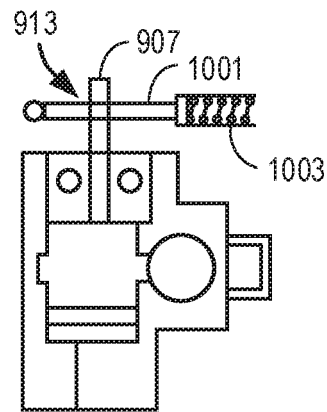


FIG. 10A

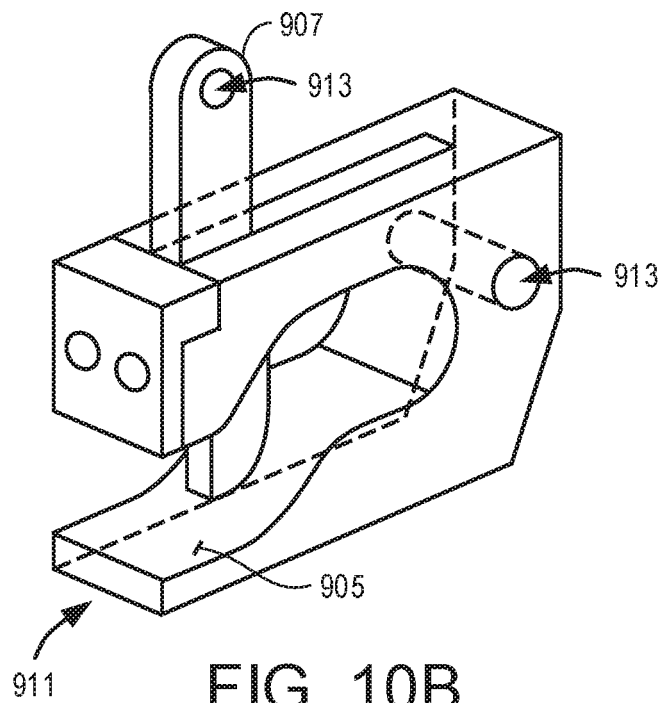


FIG. 10B

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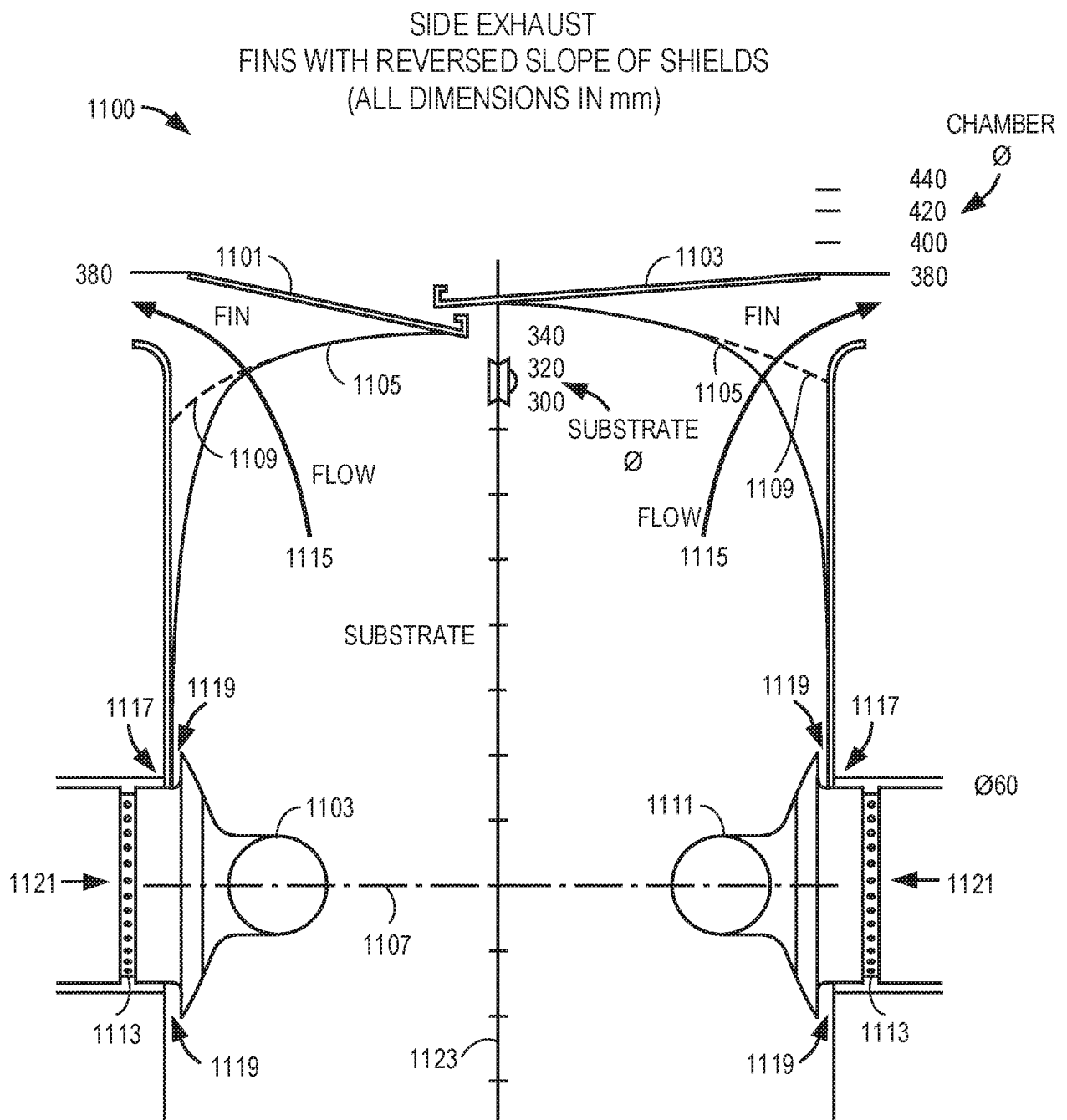


FIG. 11

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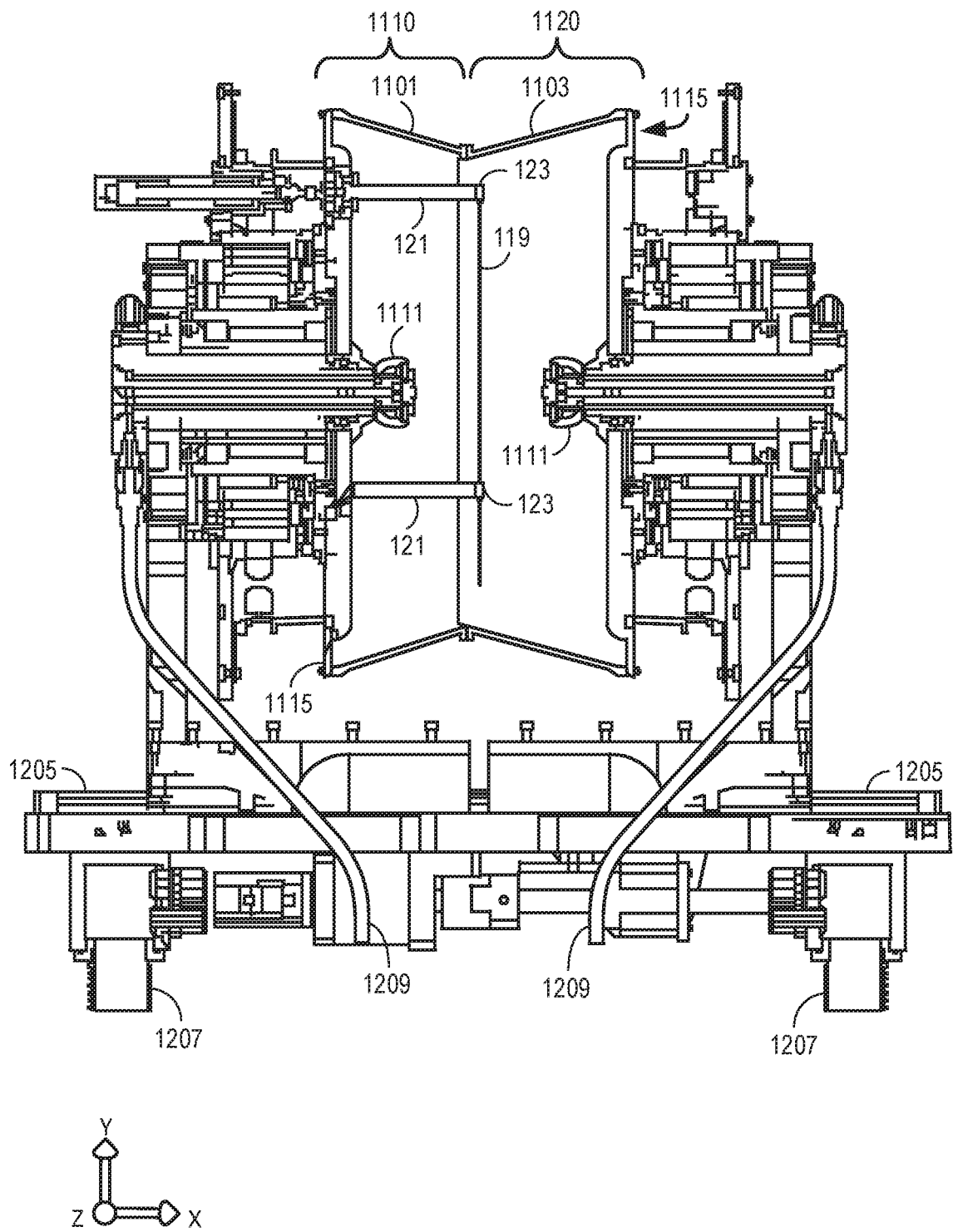


FIG. 12

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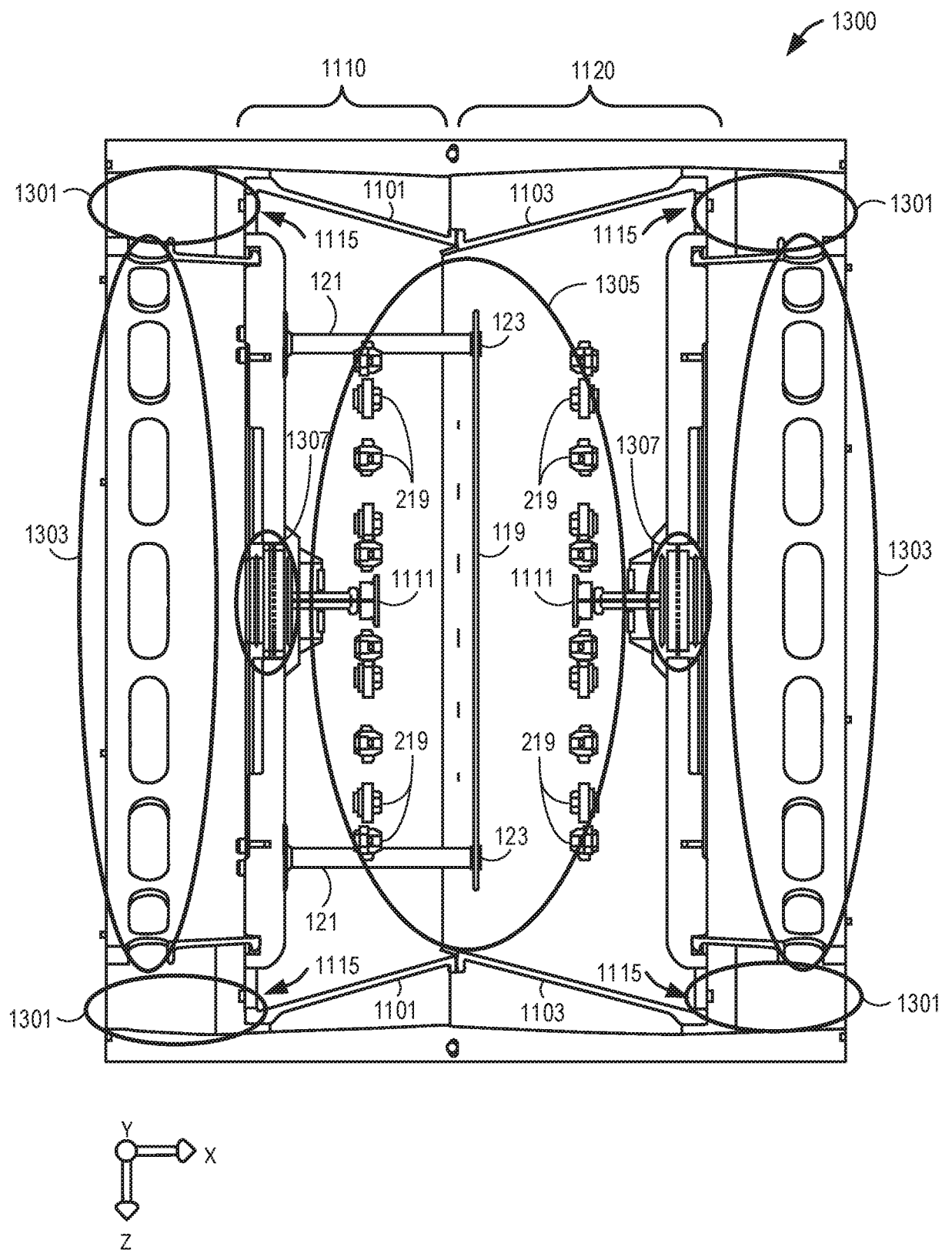


FIG. 13

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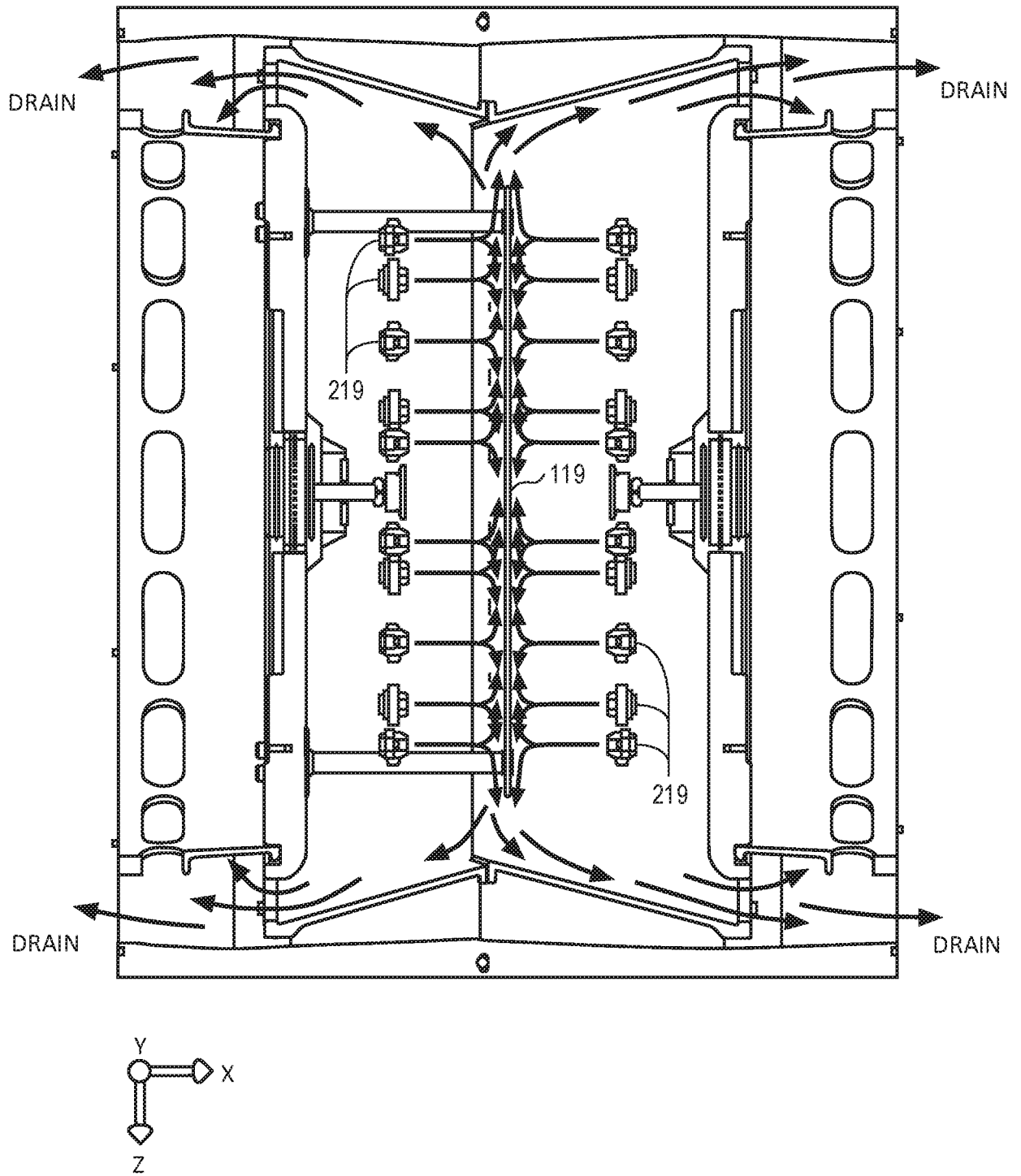


FIG. 14A

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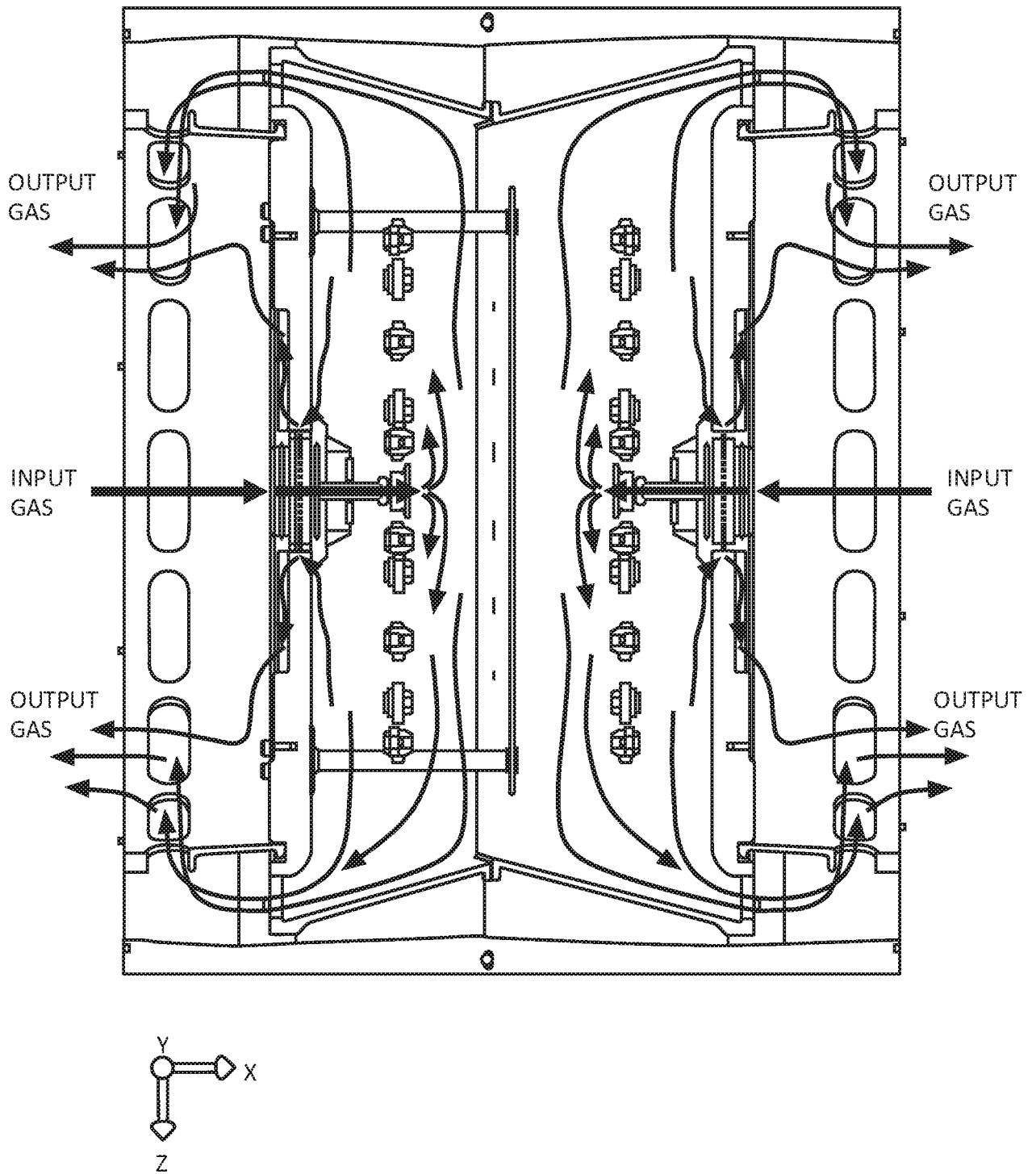


FIG. 14B

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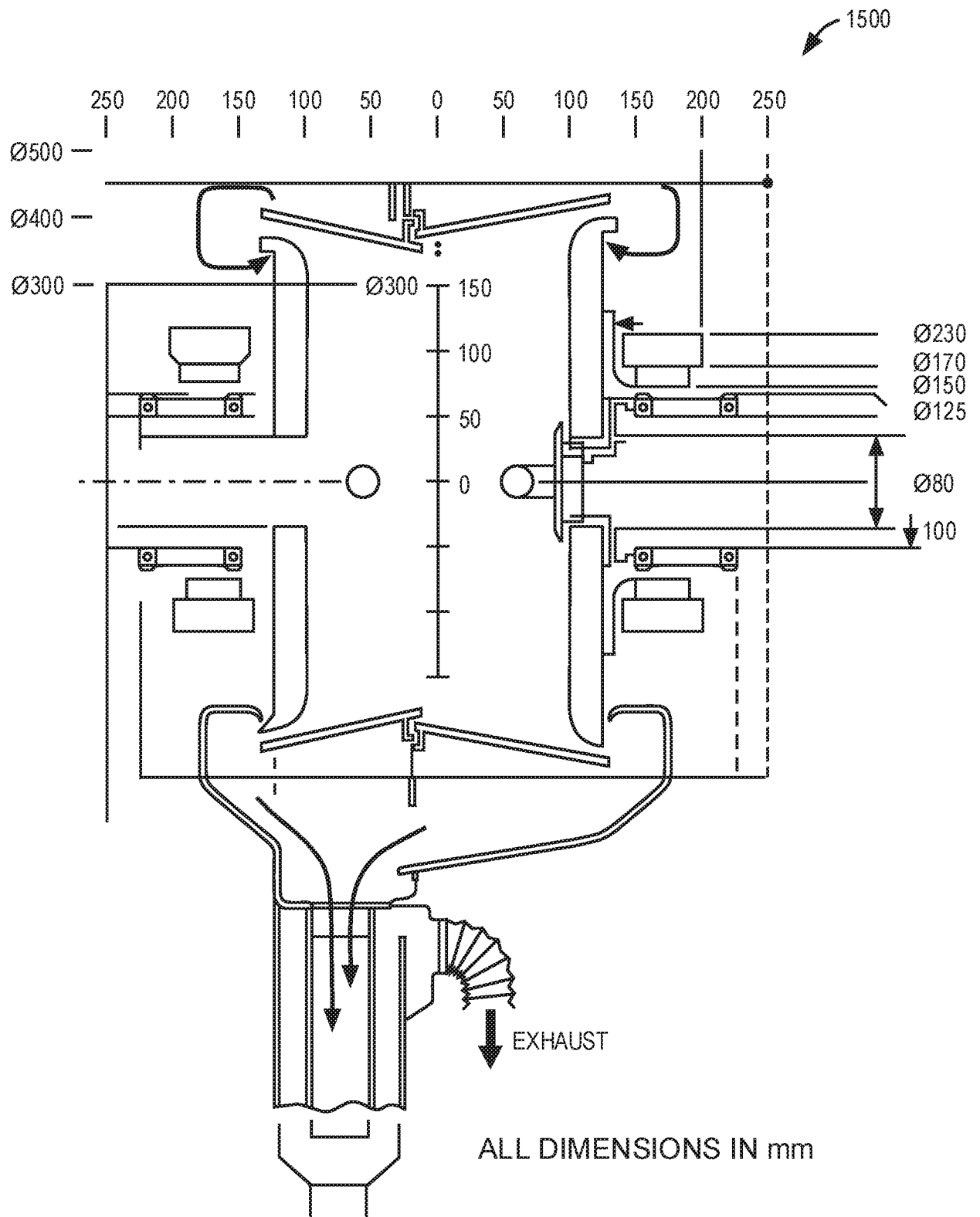


FIG. 15

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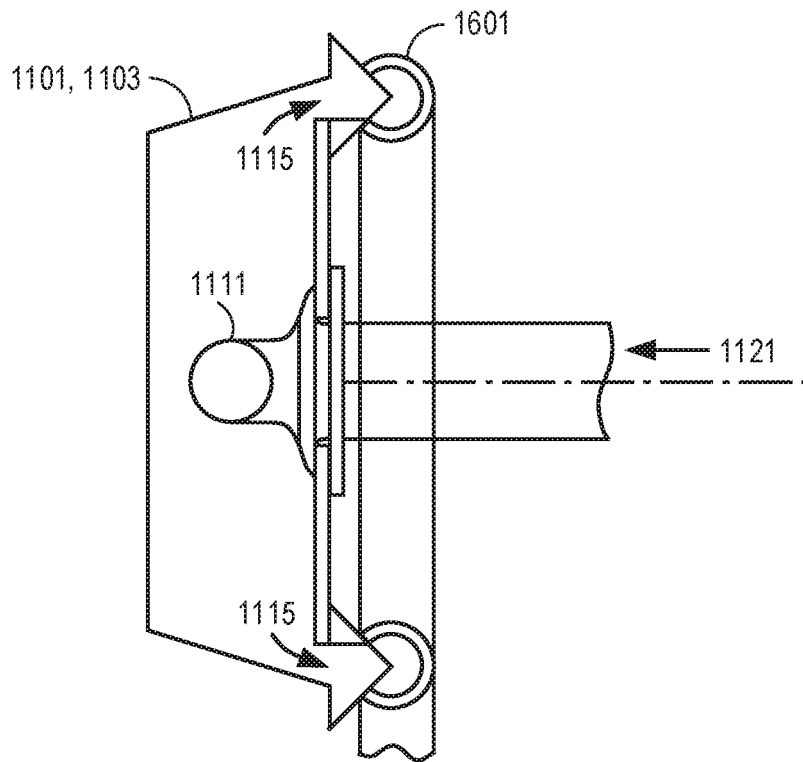


FIG. 16A

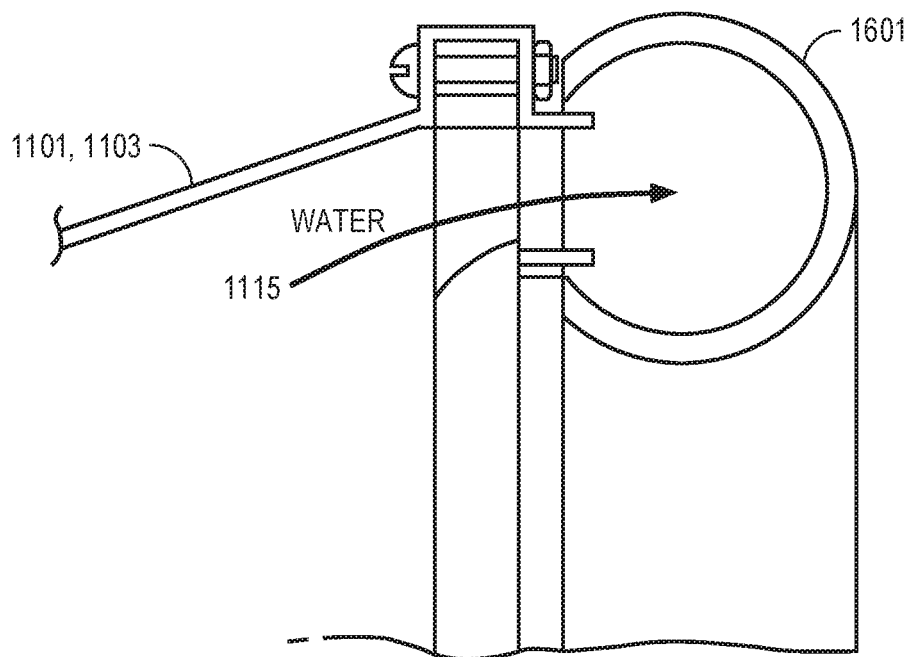


FIG. 16B

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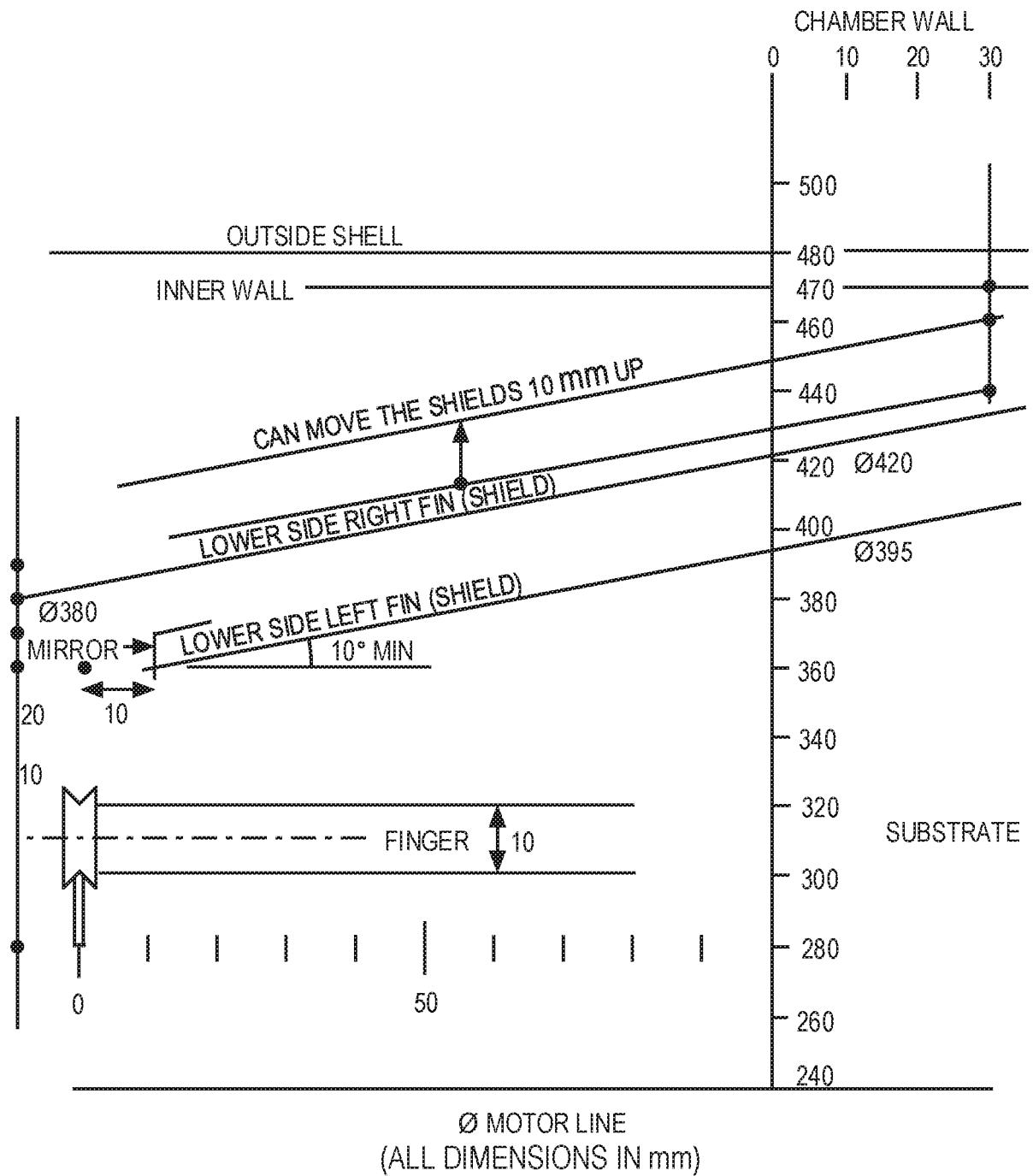


FIG. 17

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VELOCITY STREAM LINES INCREASED DIAMETER

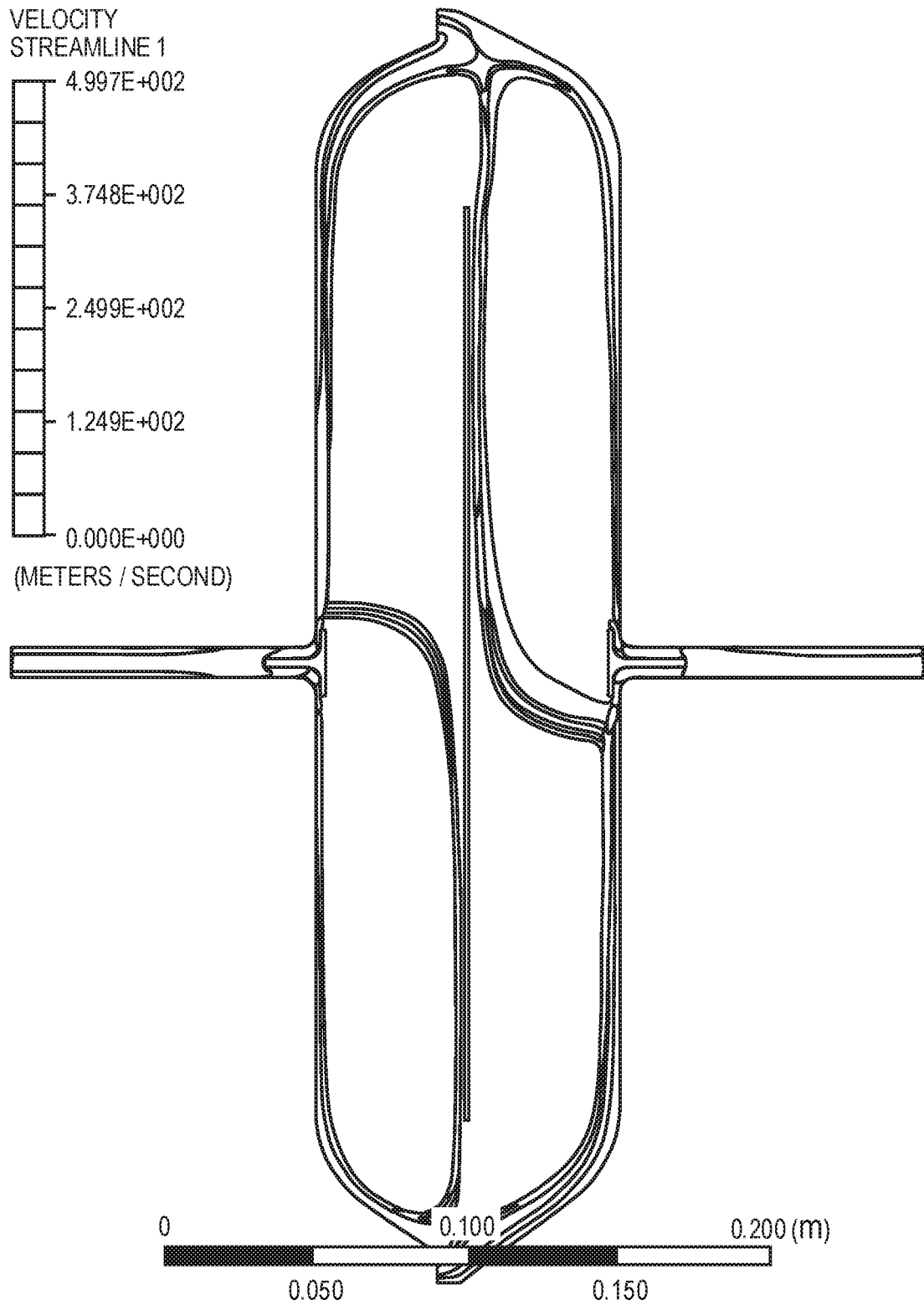


FIG.18

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CFD ANALYSIS

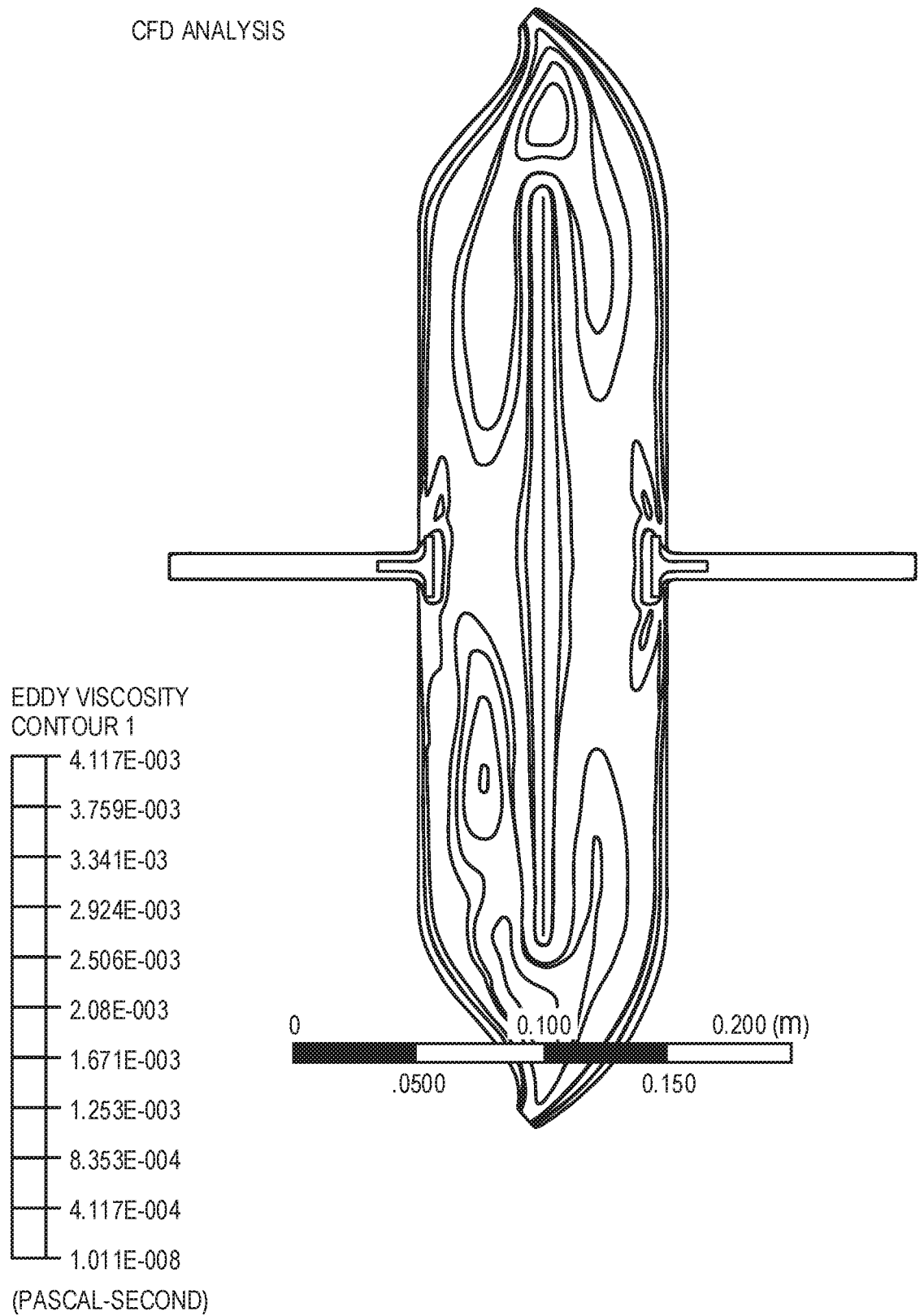
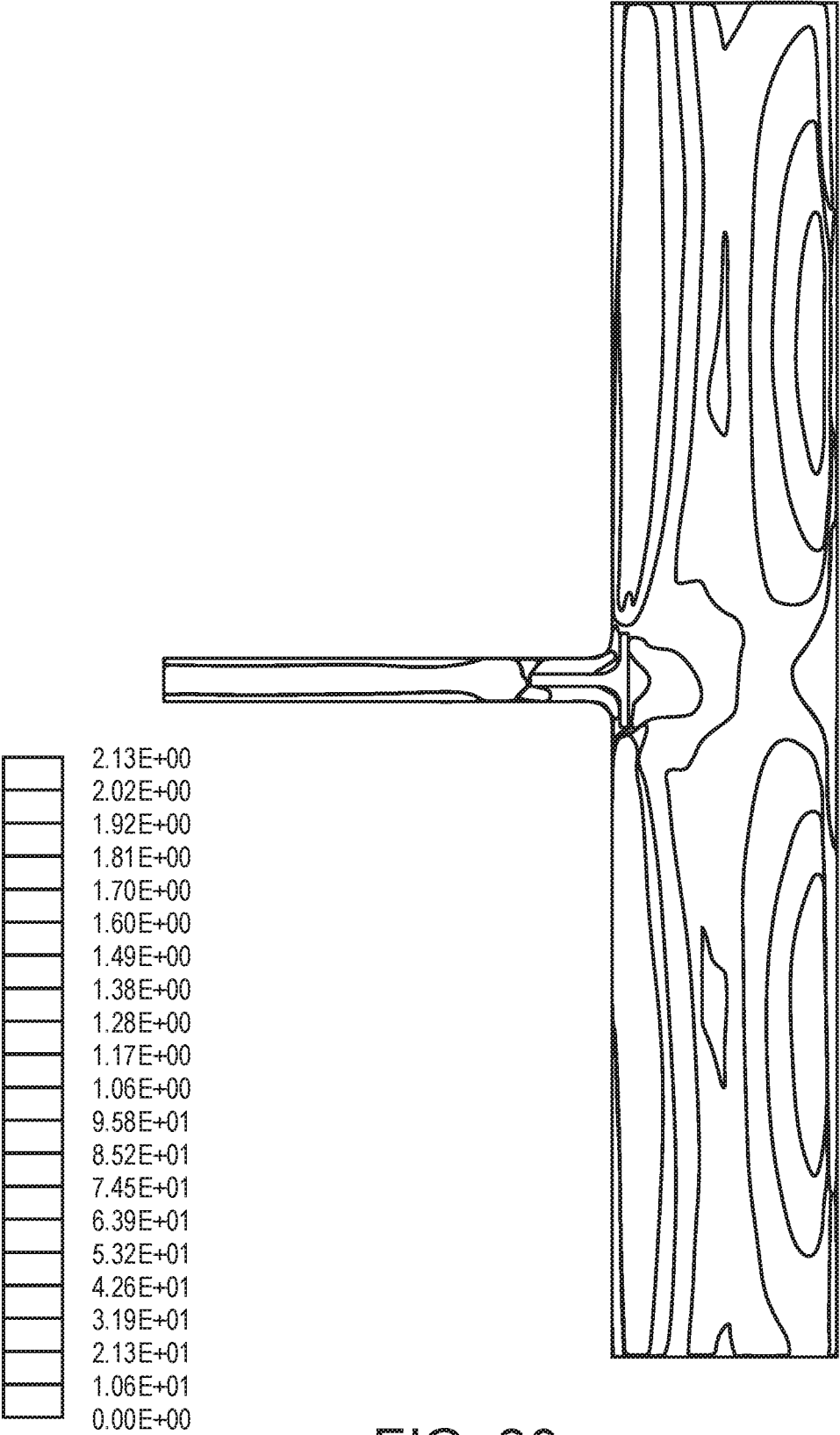


FIG. 19

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CONTOURS OF VELOCITY MAGNITUDE



(METERS / SECOND)

FIG. 20

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CONTOURS OF TURBULENT VISCOSITY

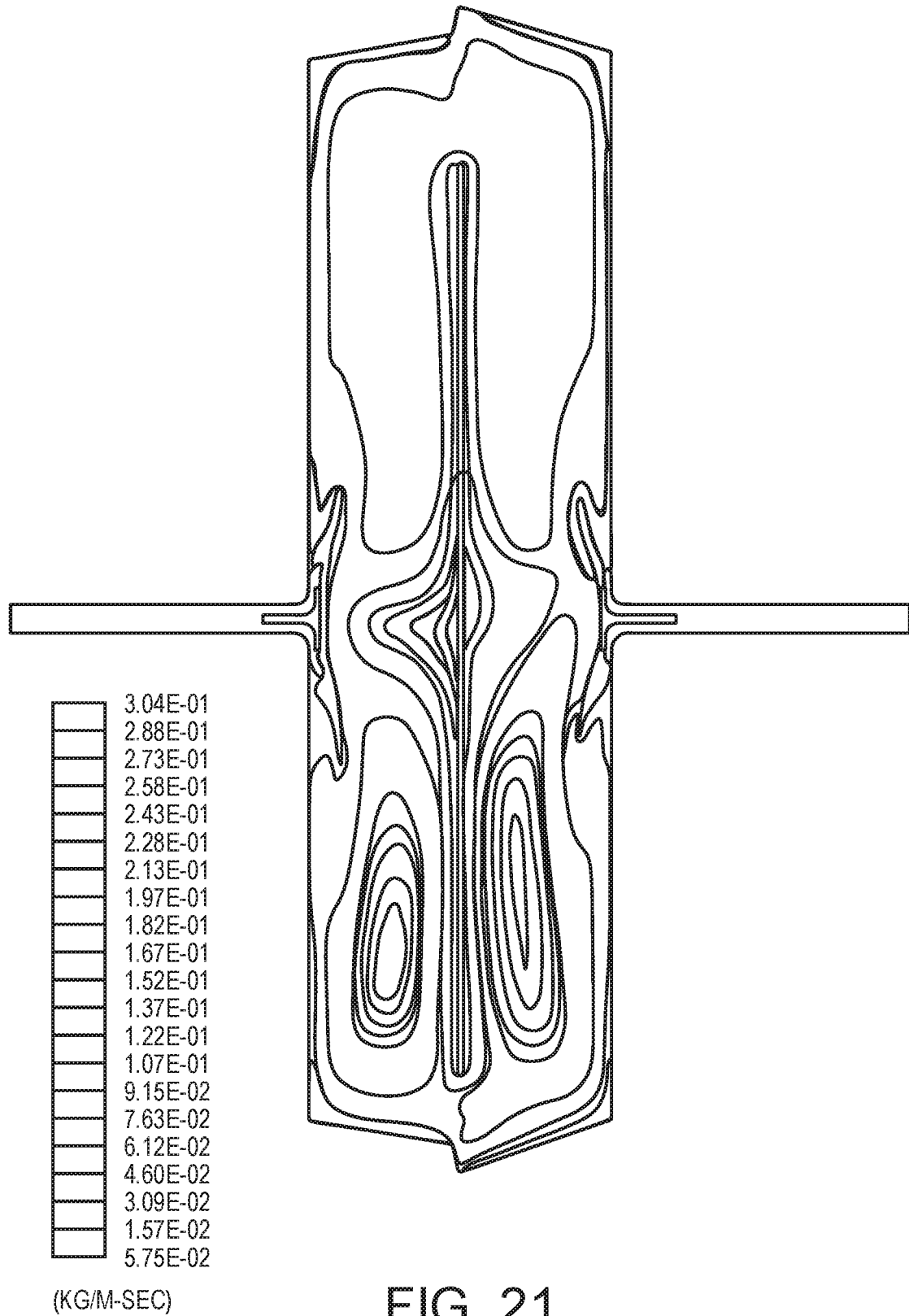
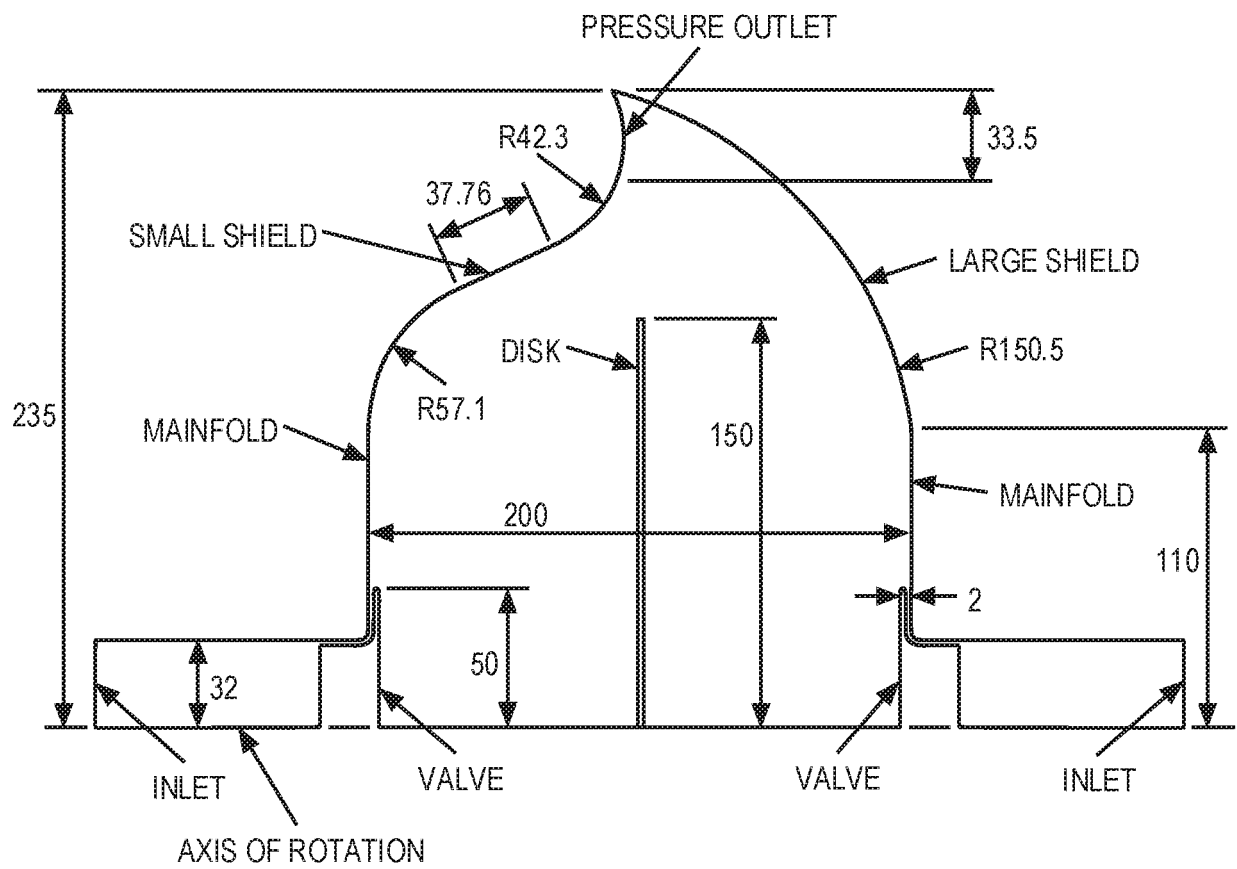


FIG. 21

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ADDITIONAL SHIELD DESIGN FOR 3D CFD



(ALL DIMENSIONS IN mm)

FIG. 22

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CFD ANALYSIS

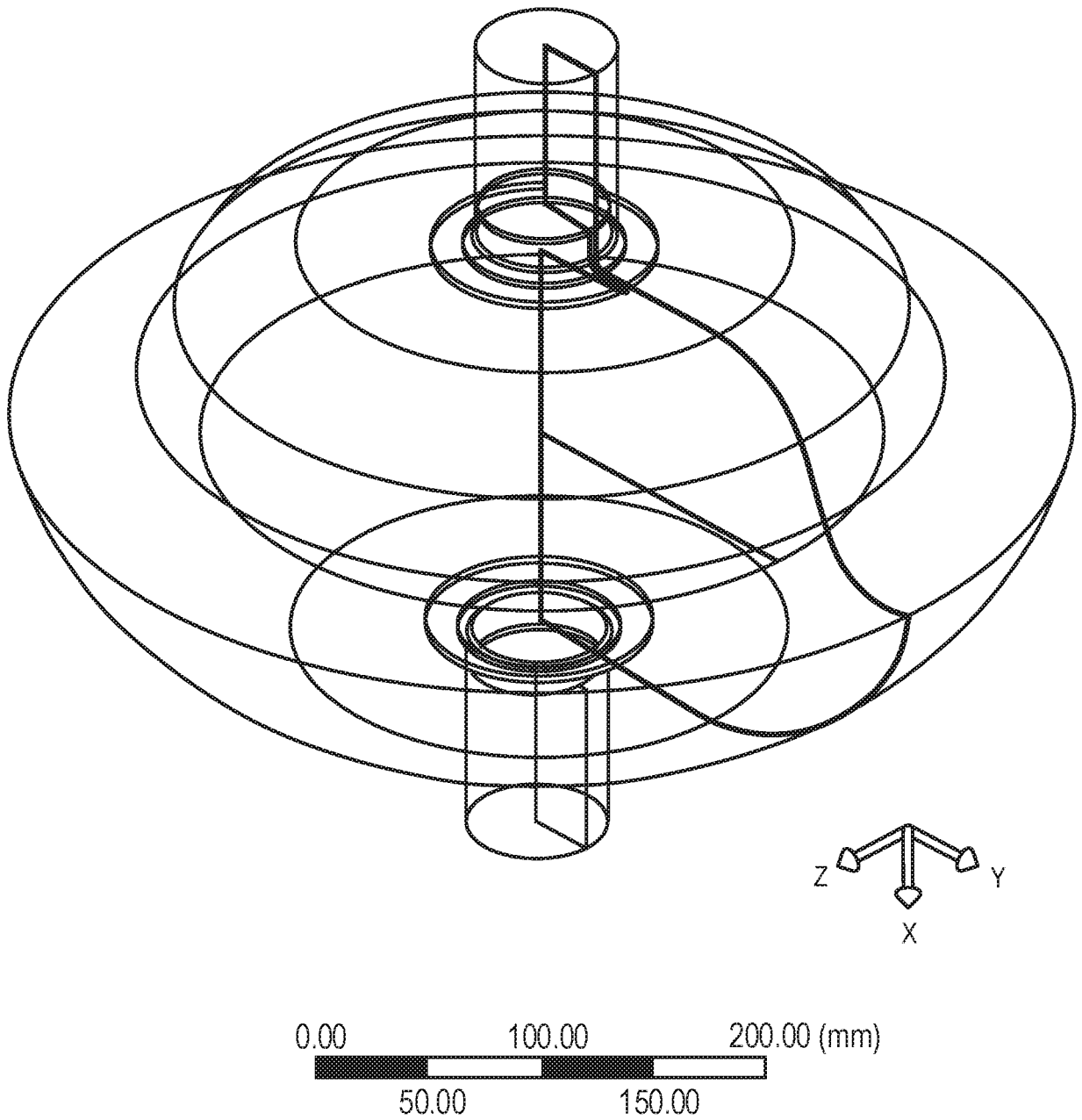


FIG. 23

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CFD FLOW DIAGRAM

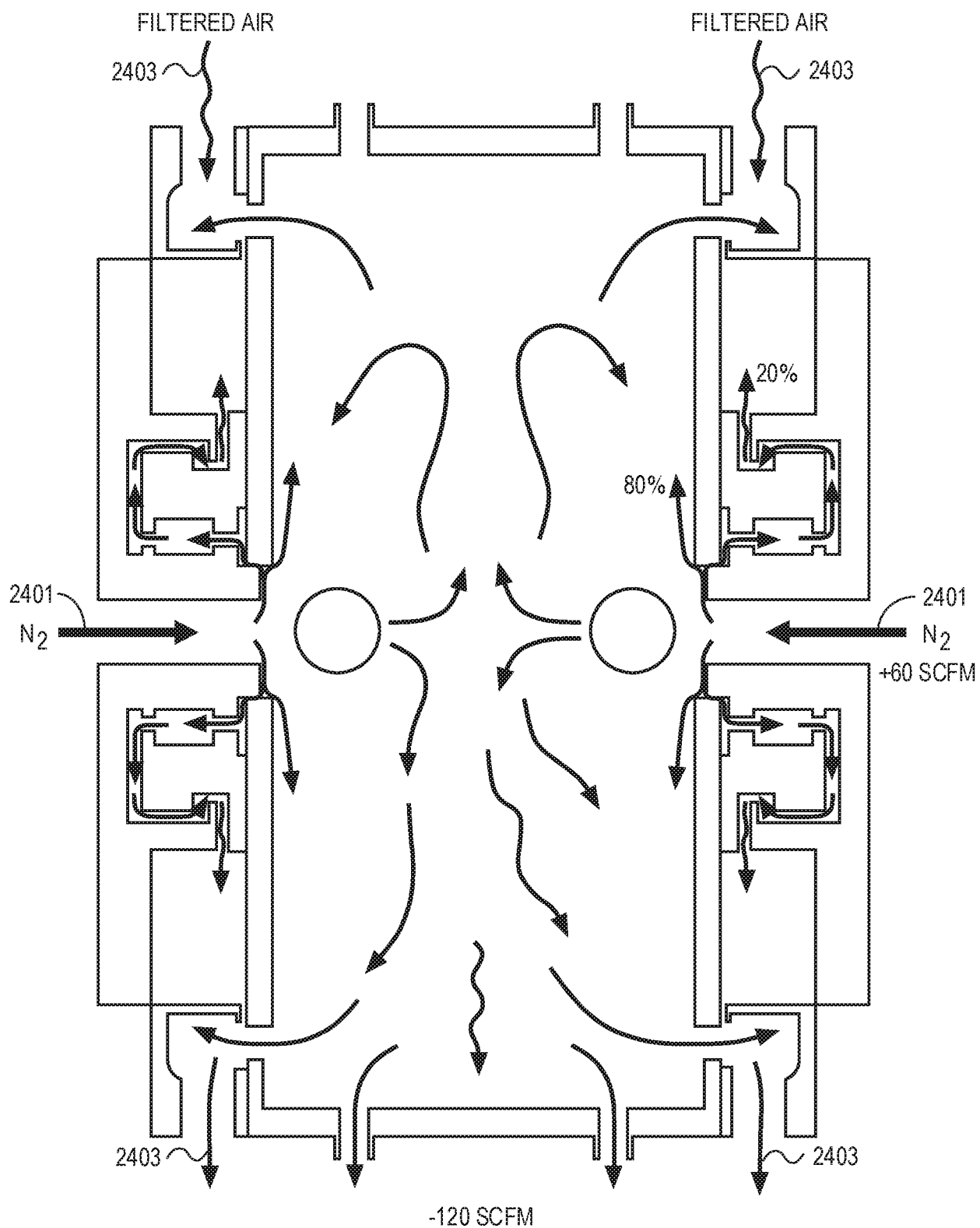


FIG. 24

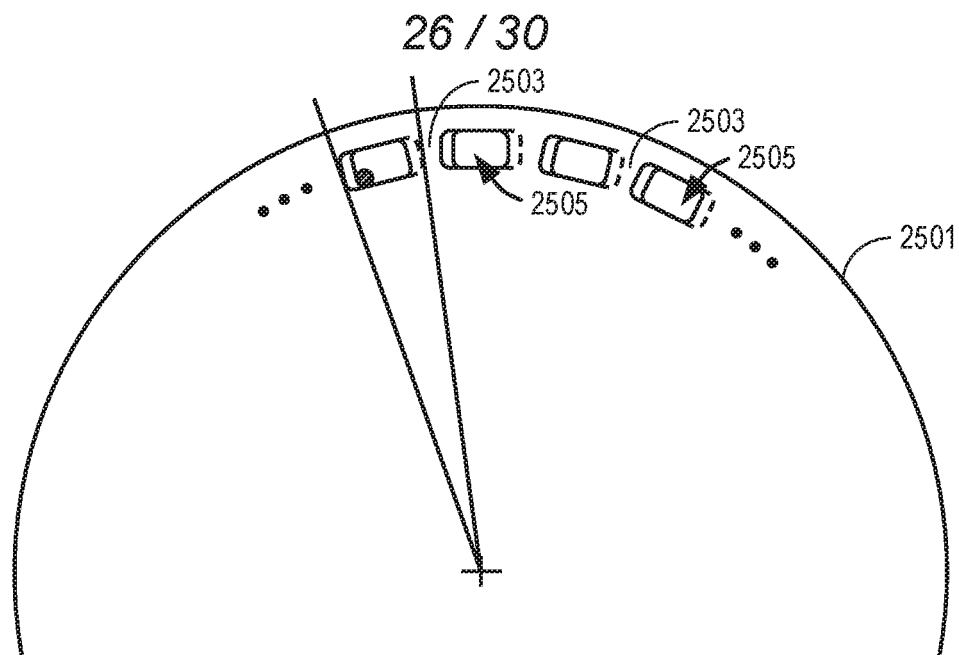


FIG. 25A

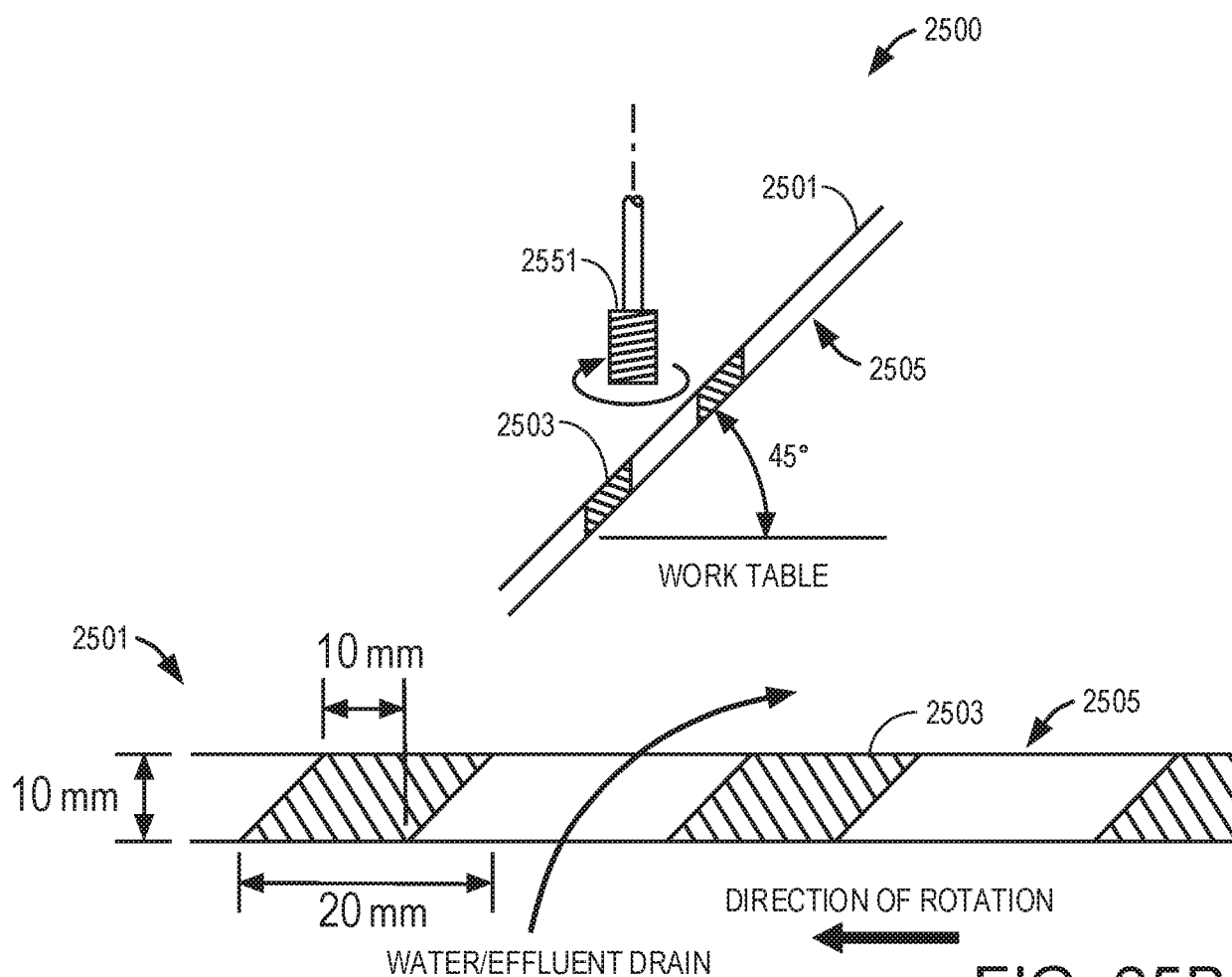


FIG. 25B

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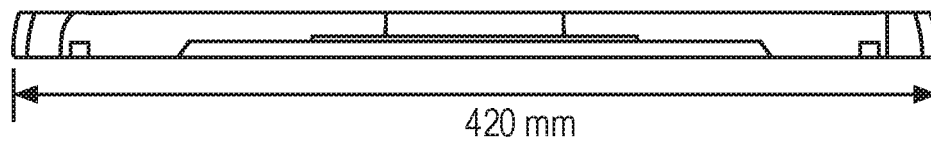
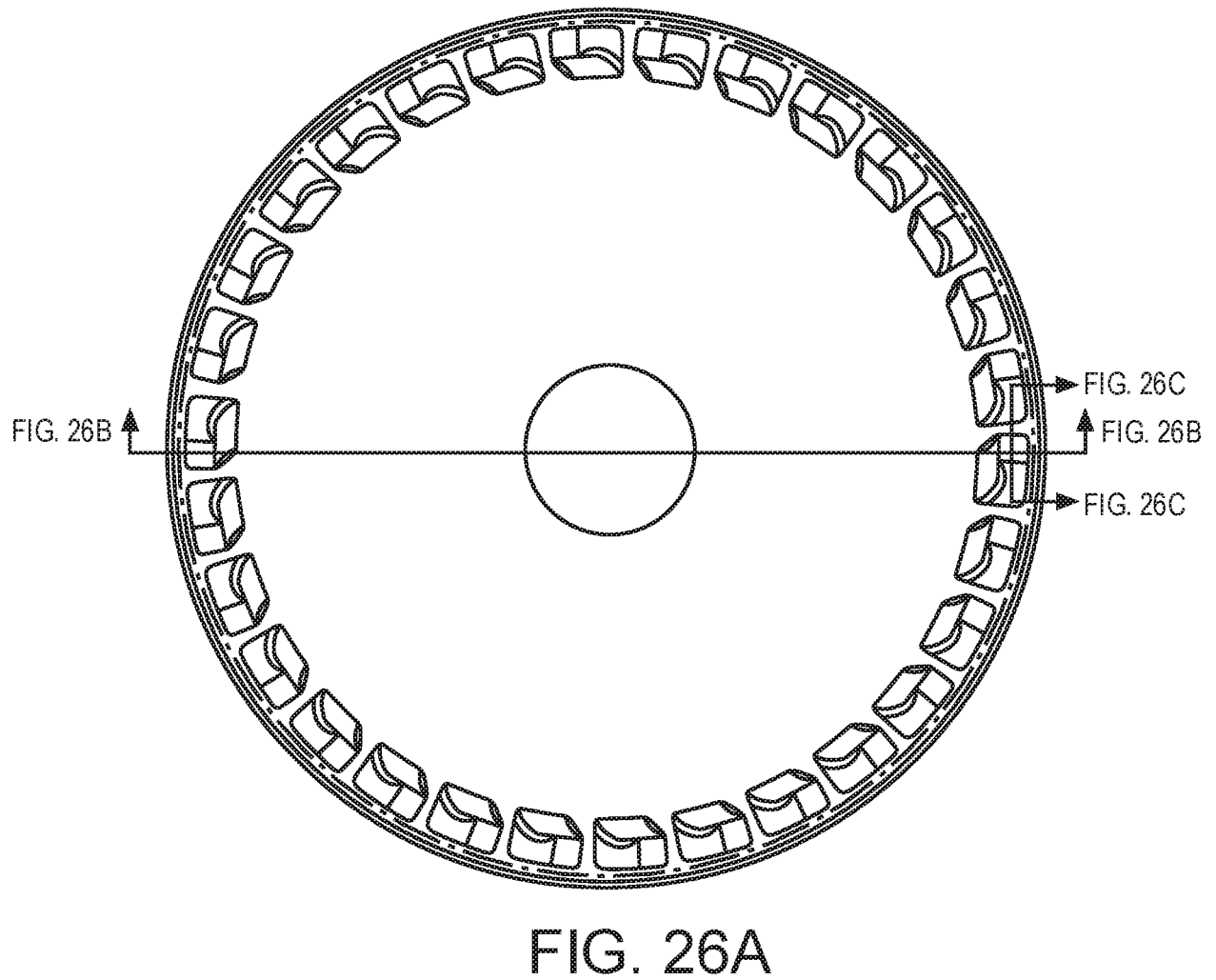


FIG. 26B

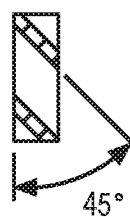


FIG. 26C

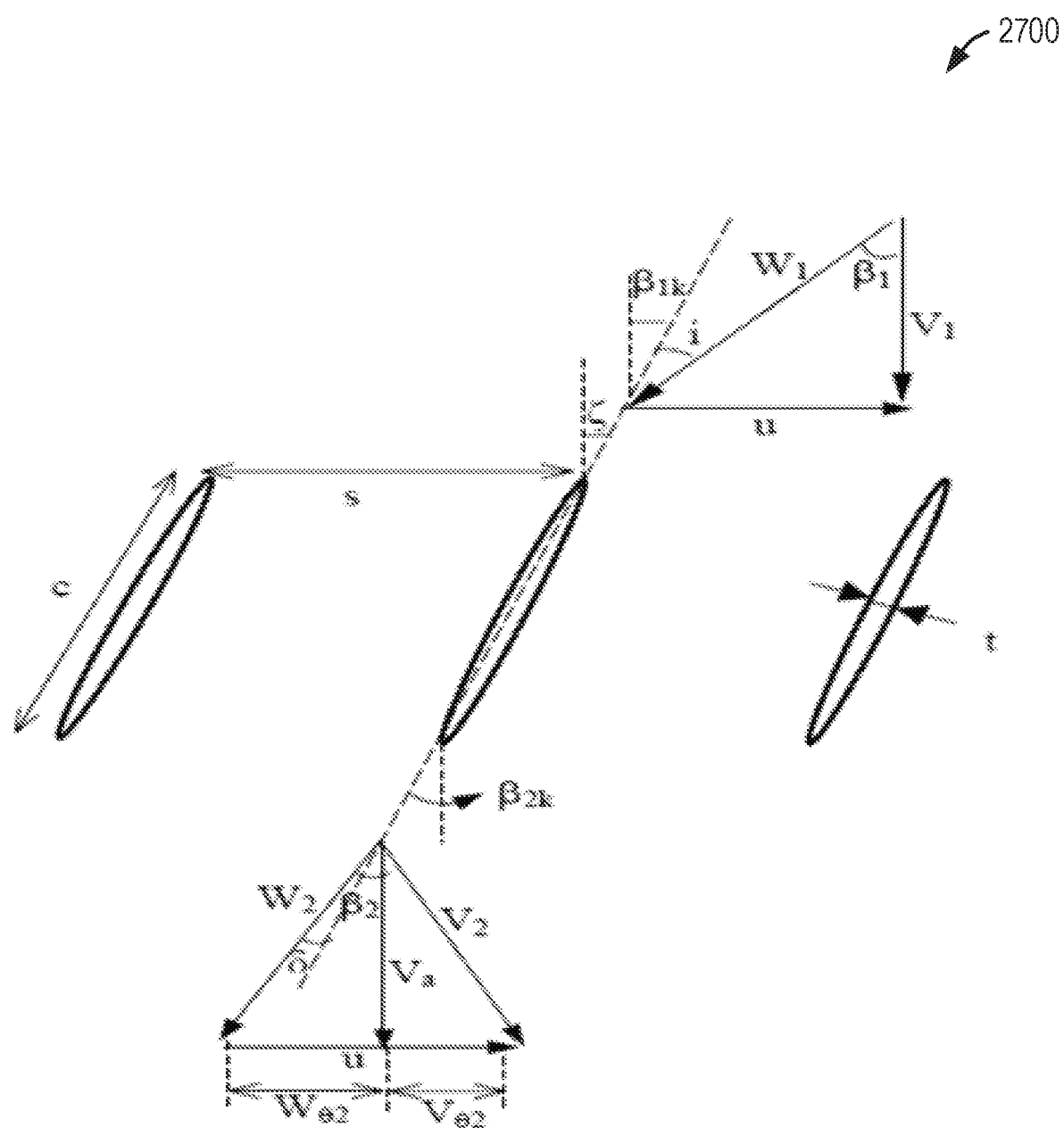


FIG. 27A

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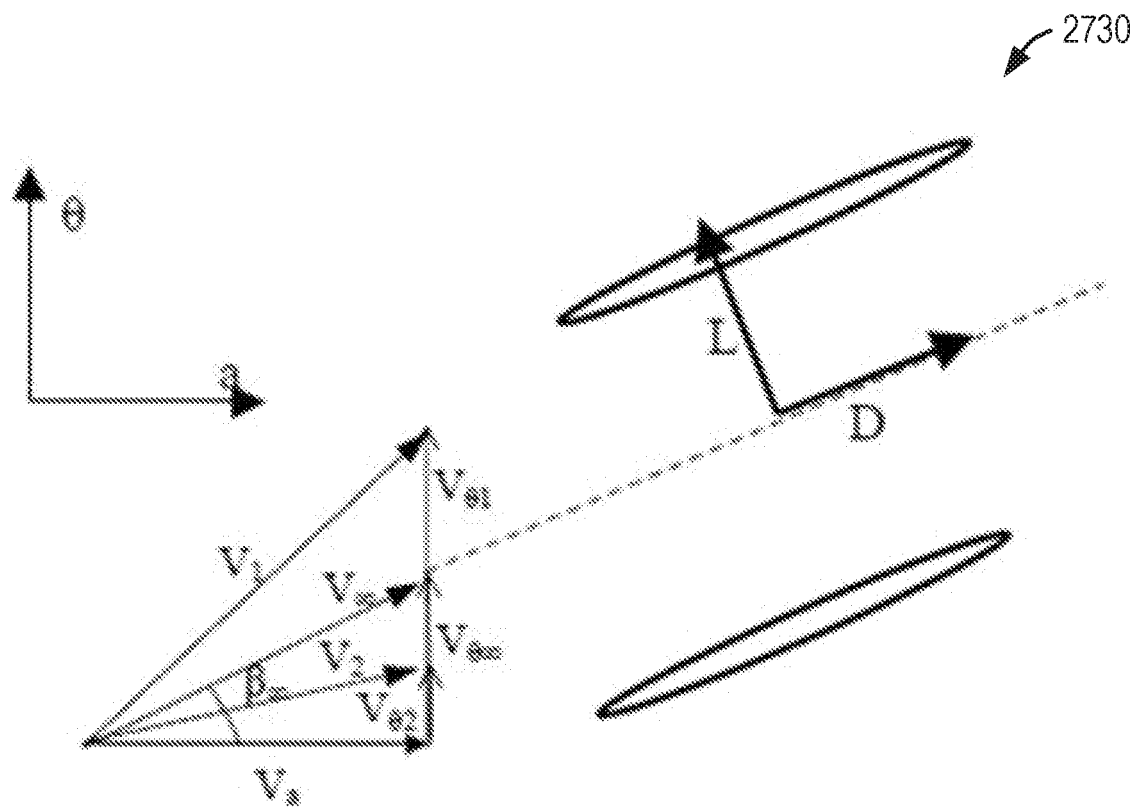


FIG. 27B

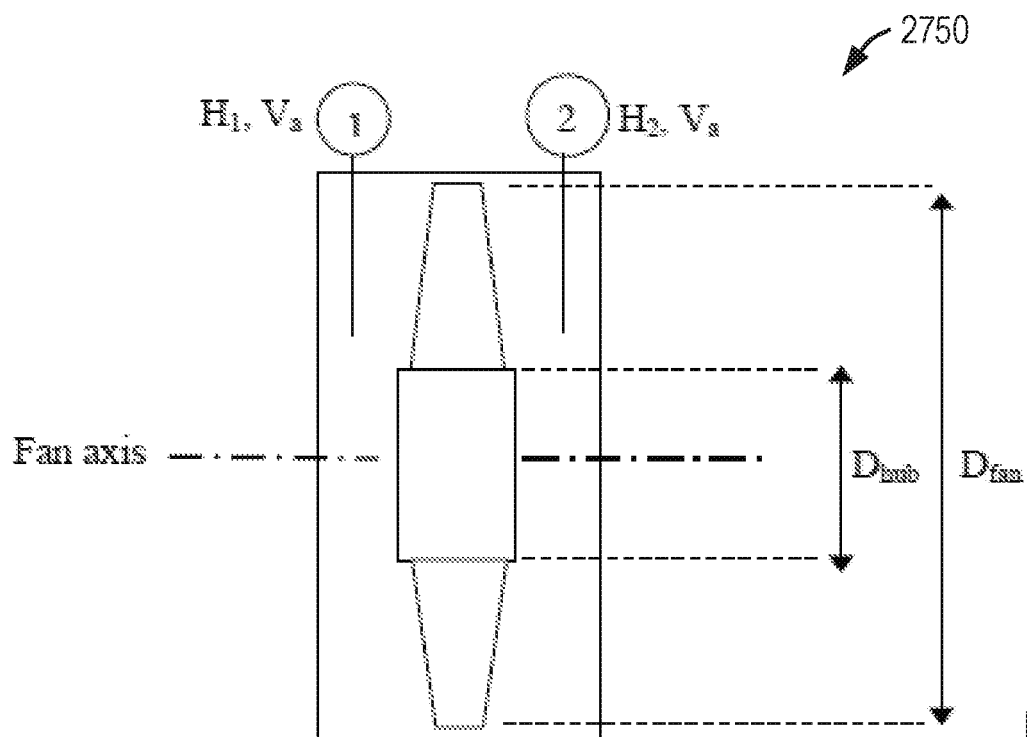


FIG. 27C

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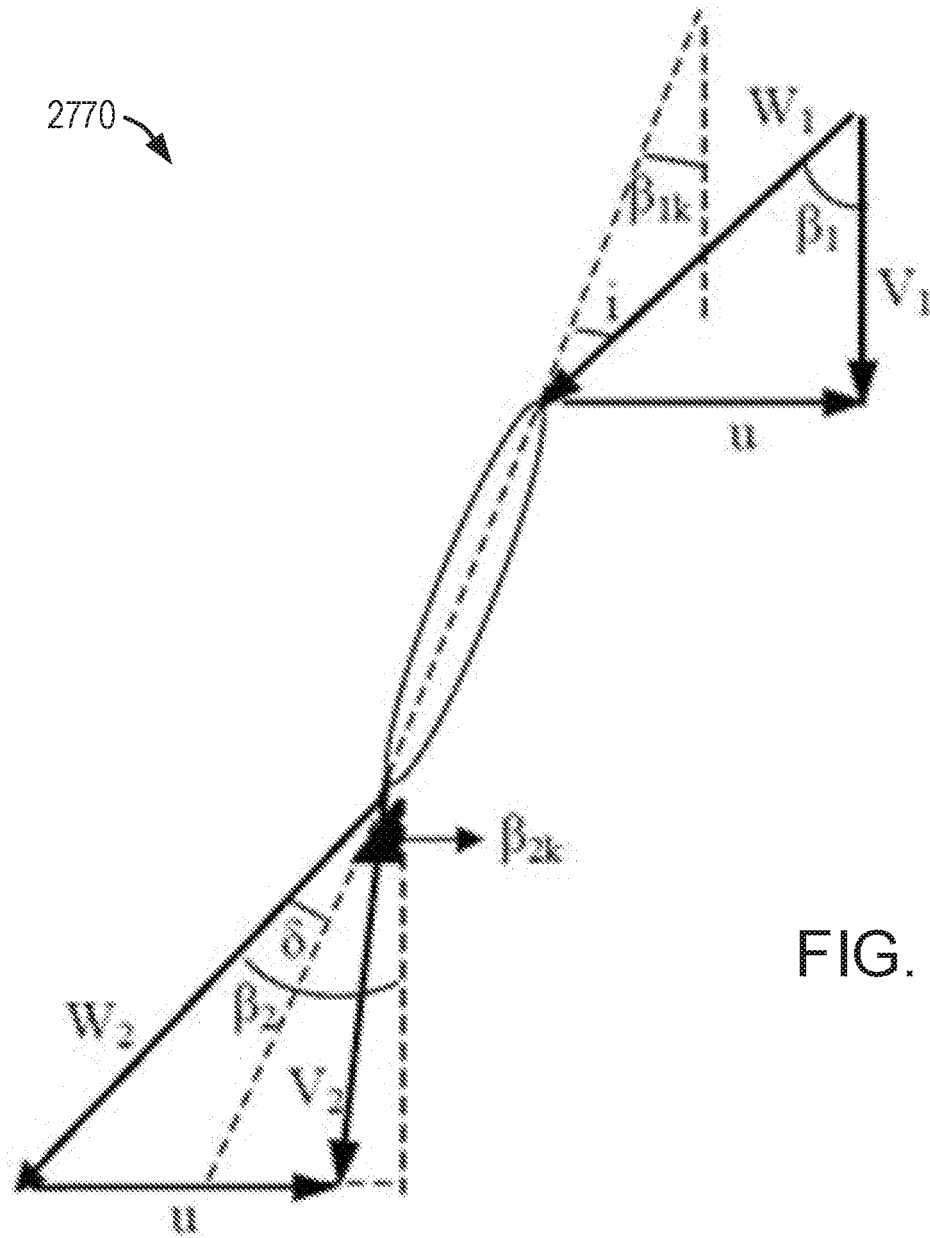


FIG. 27D