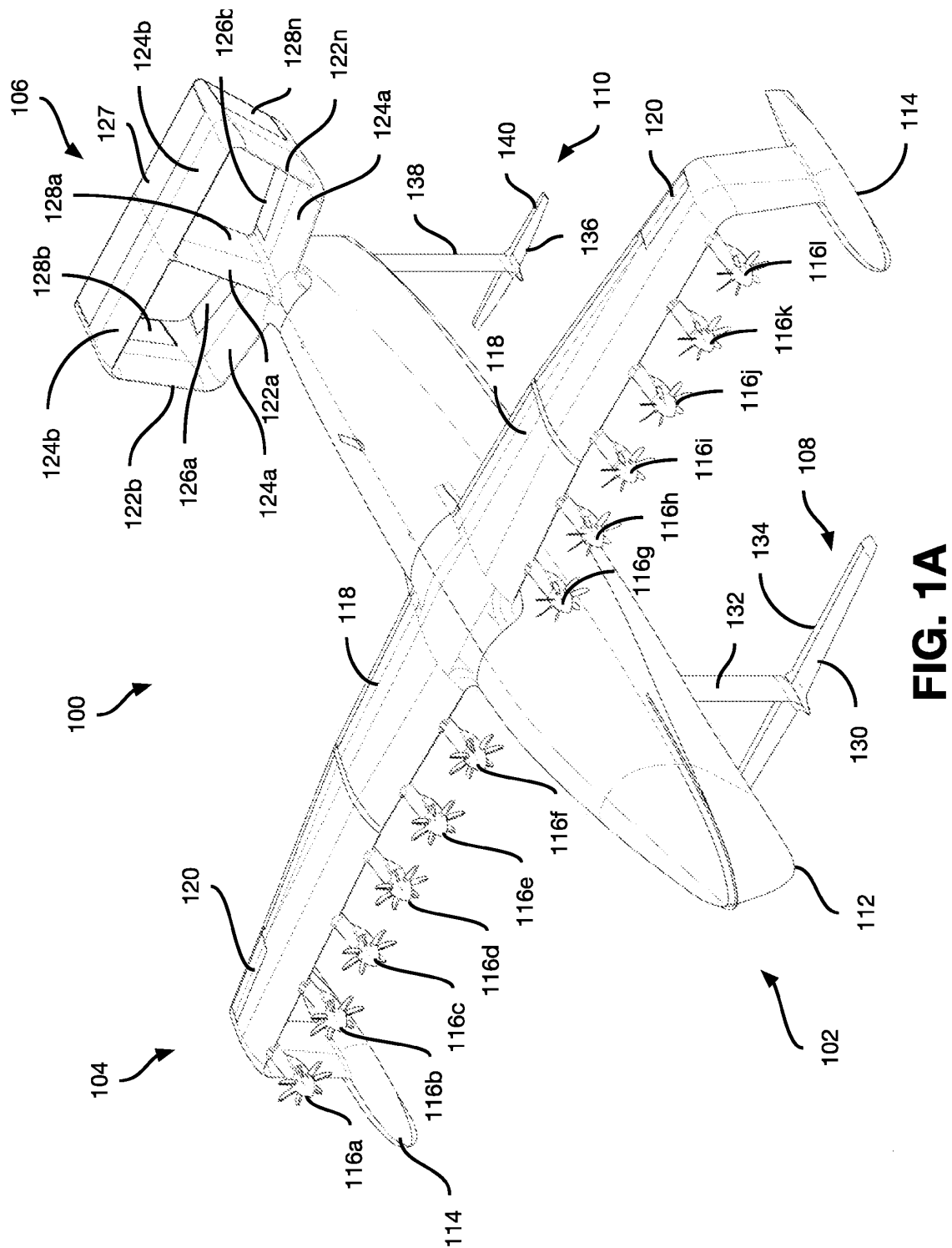


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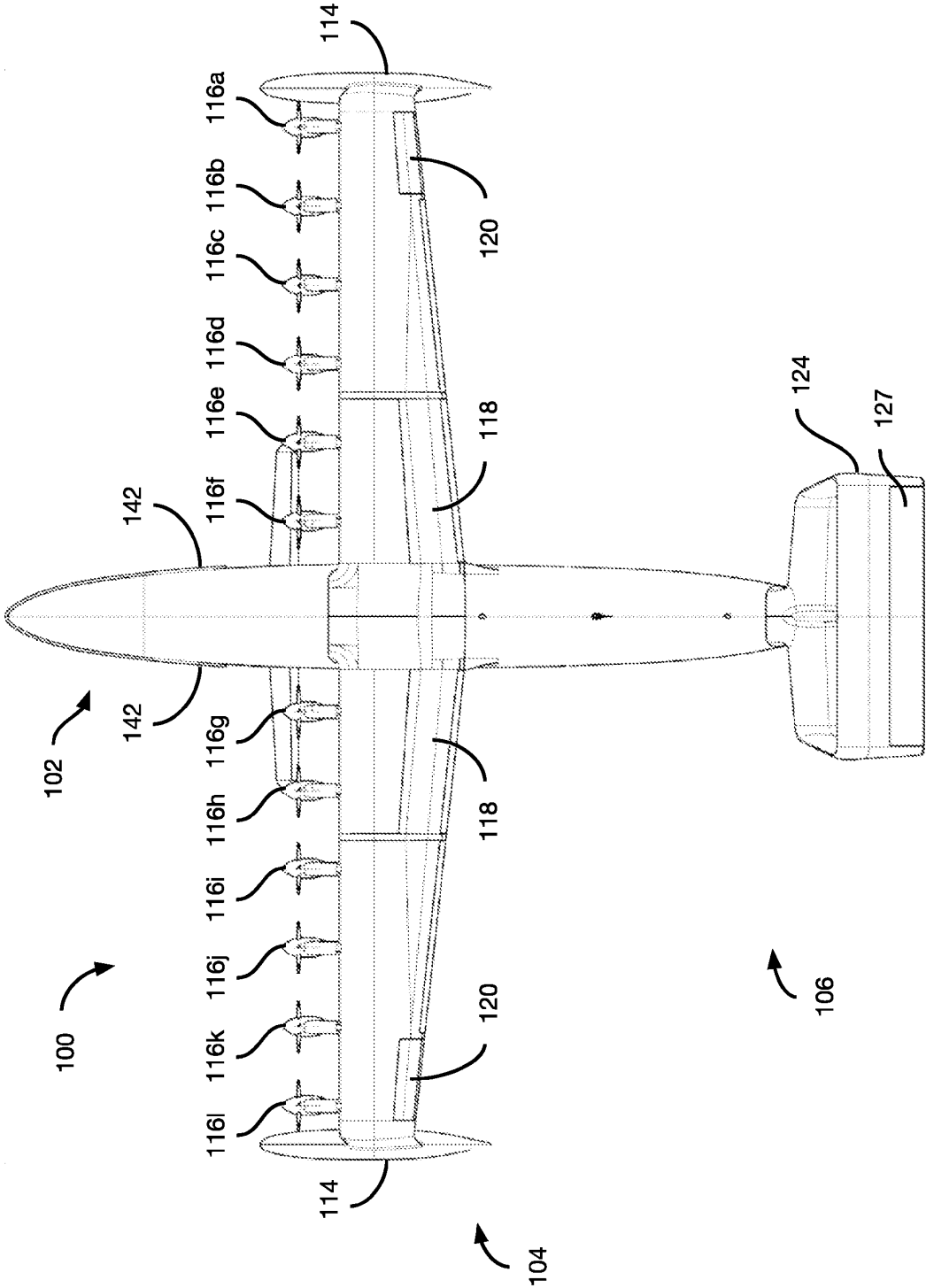


FIG. 1B

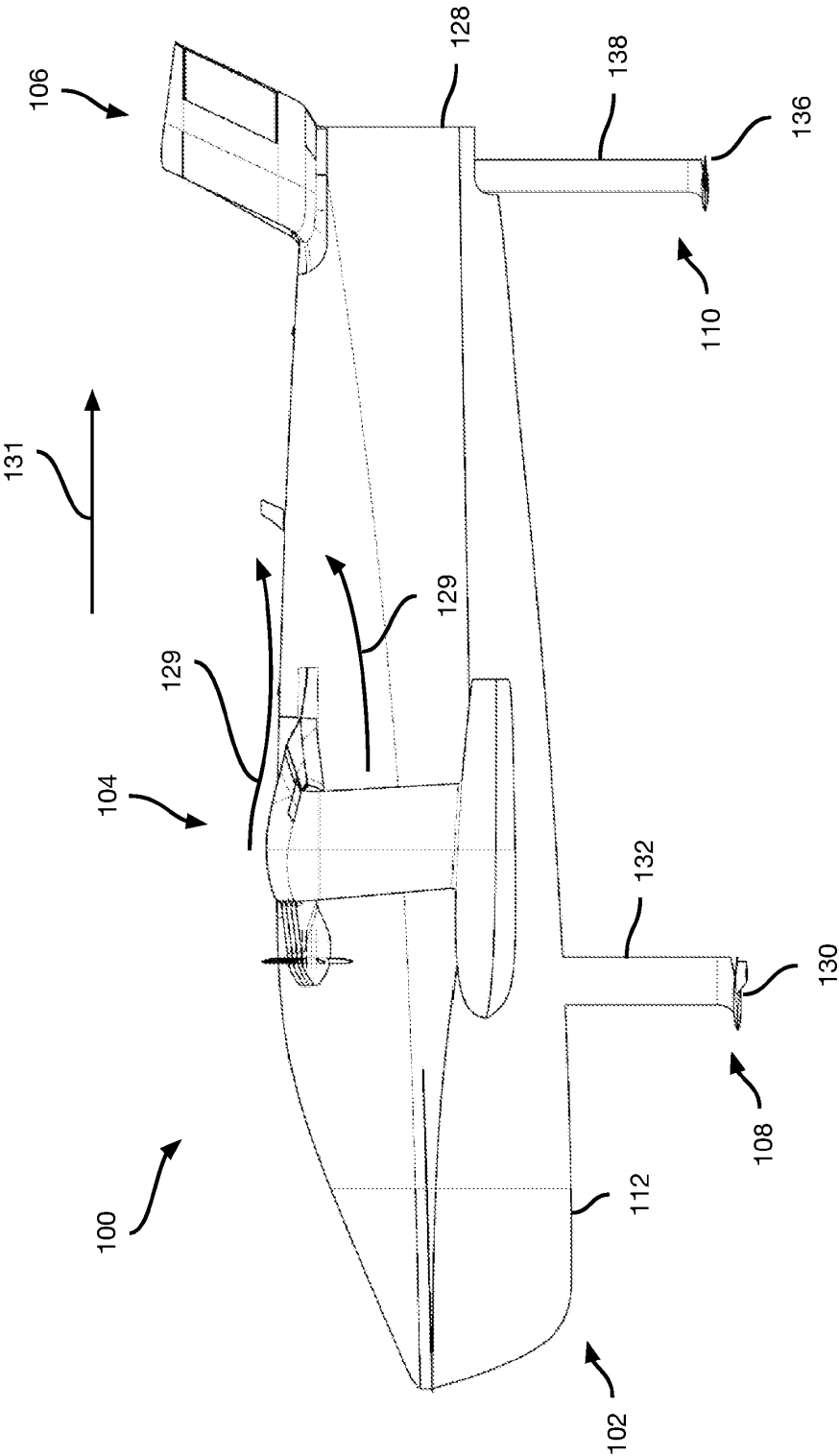


FIG. 1C

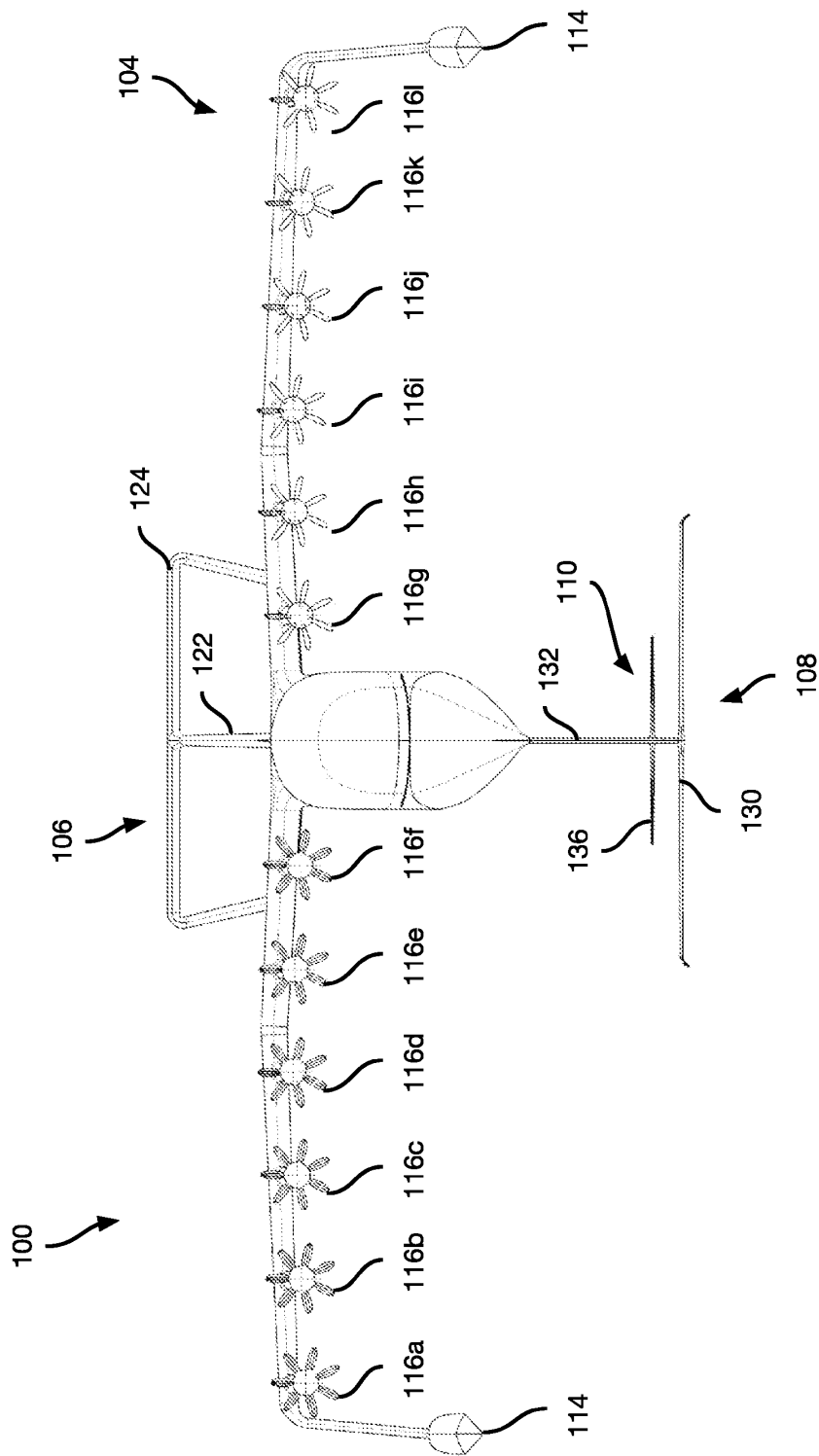


FIG. 1D

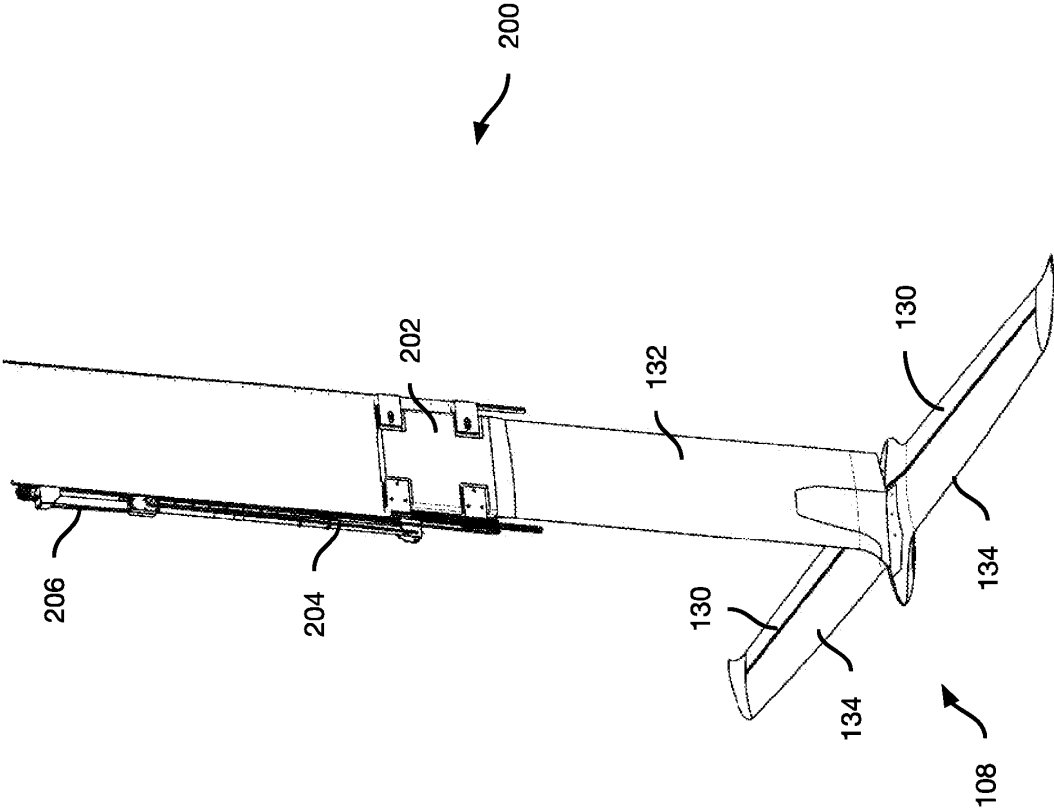


FIG. 2

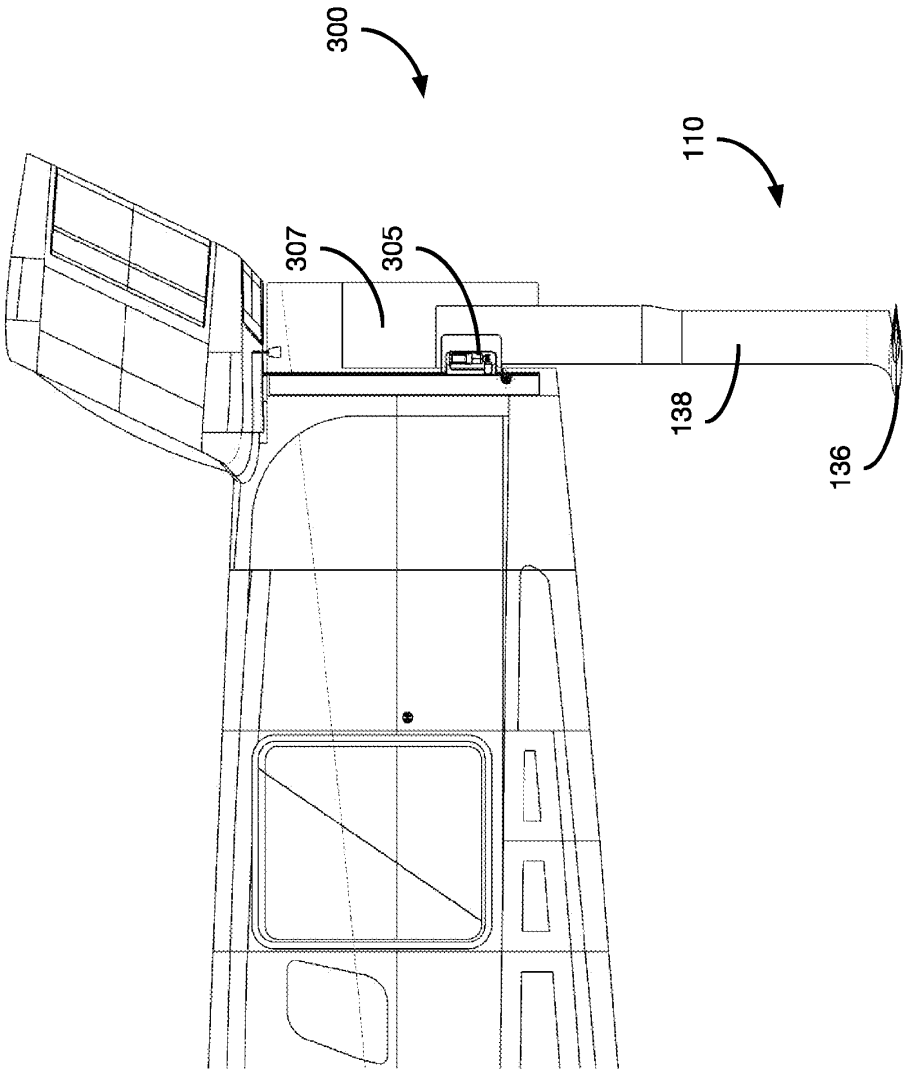


FIG. 3

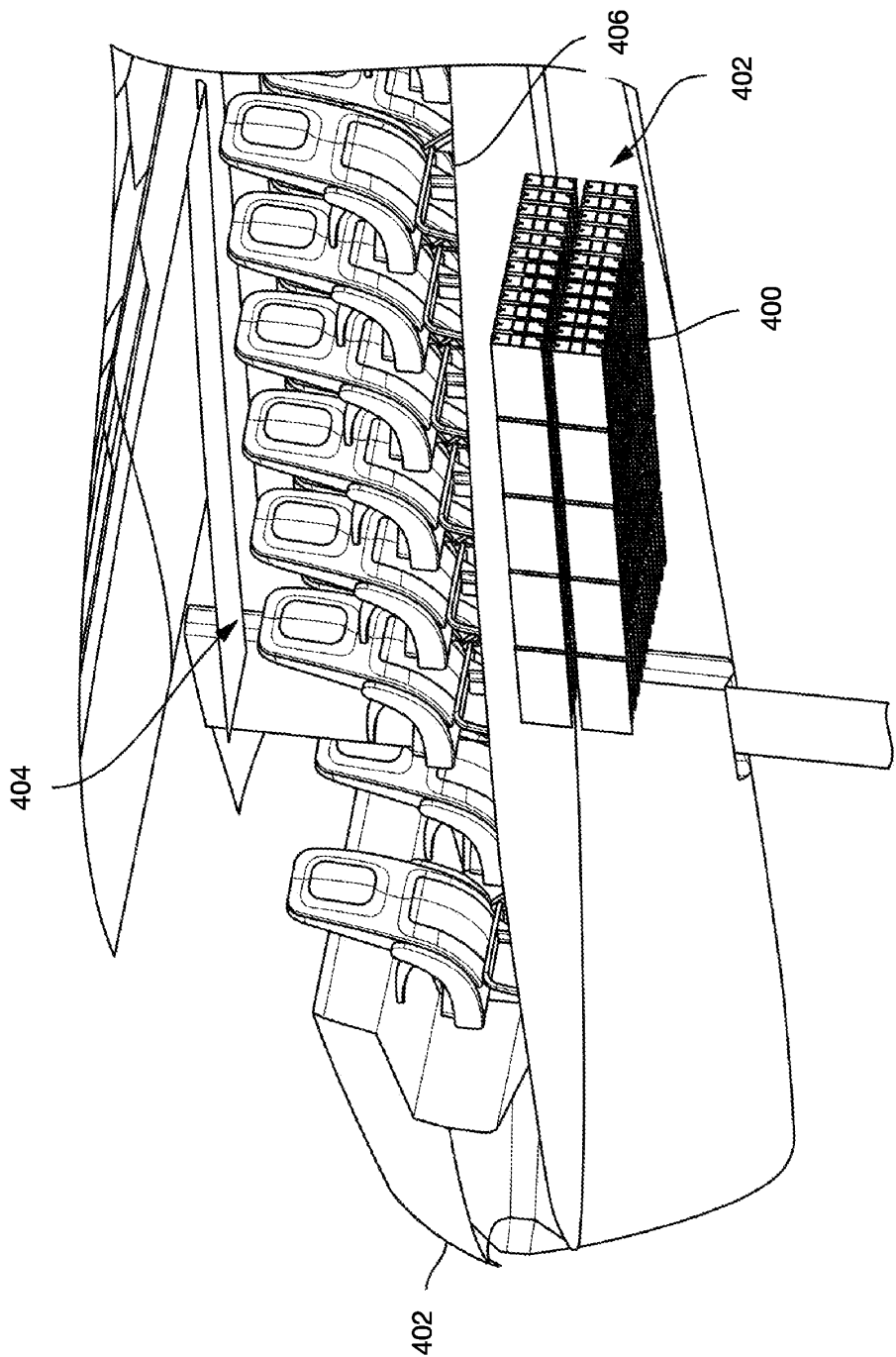


FIG. 4

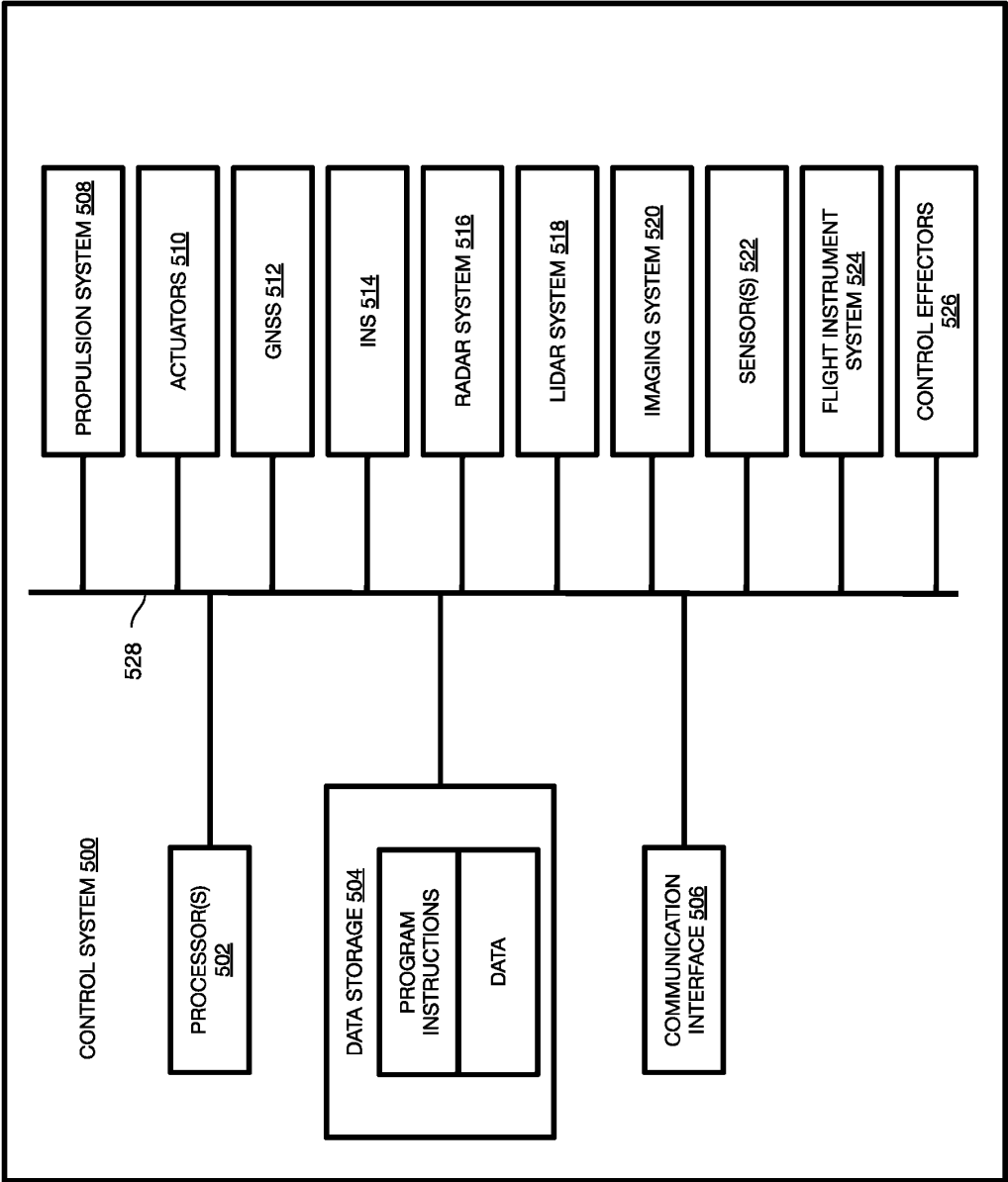


FIG. 5

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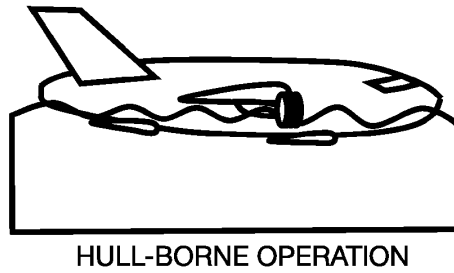


FIG. 6A

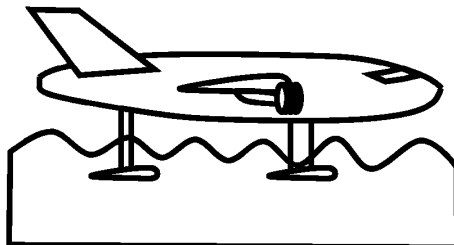


FIG. 6B

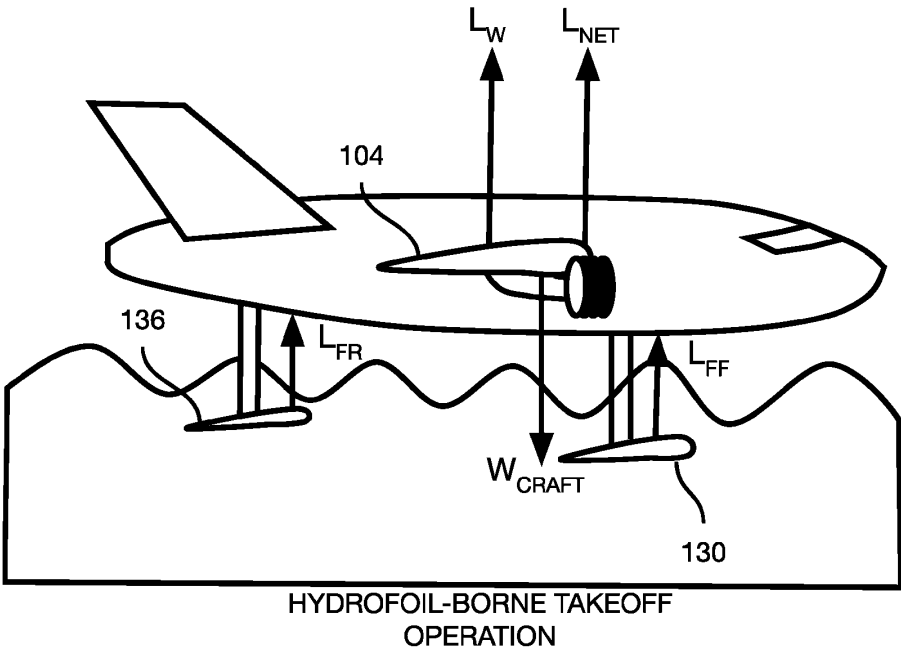


FIG. 7A

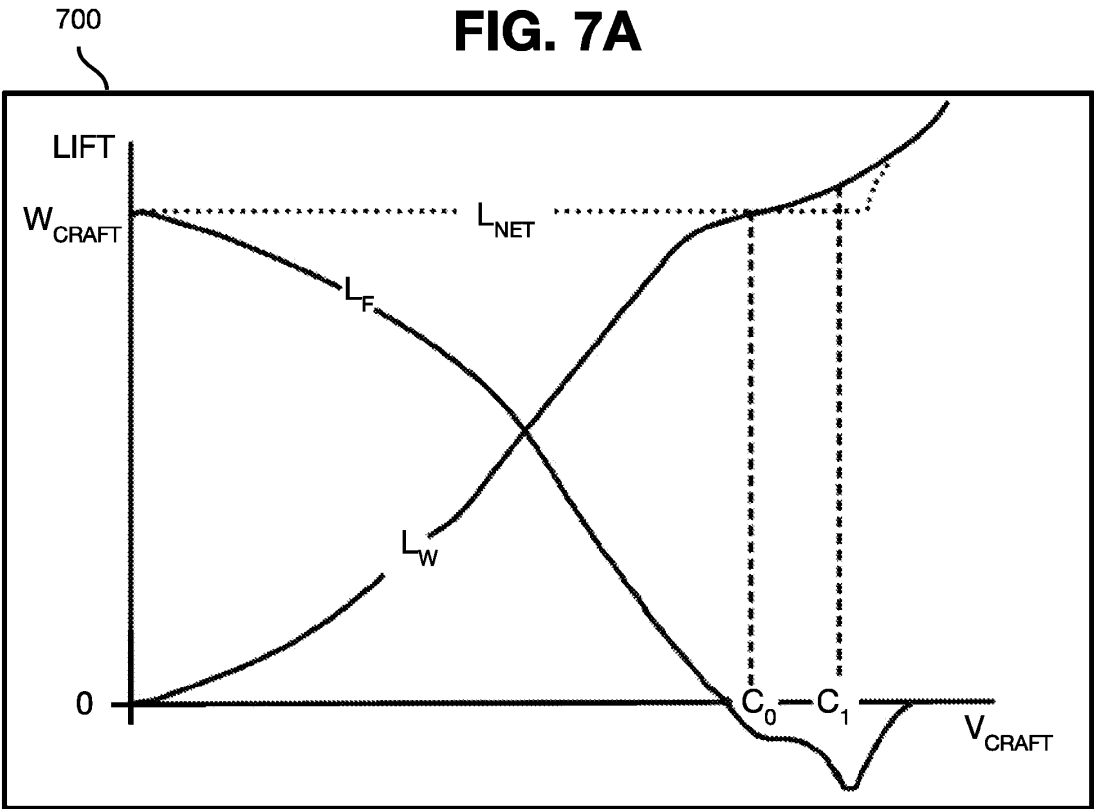


FIG. 7B

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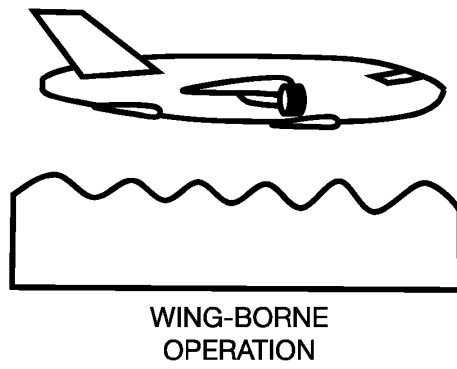


FIG. 8

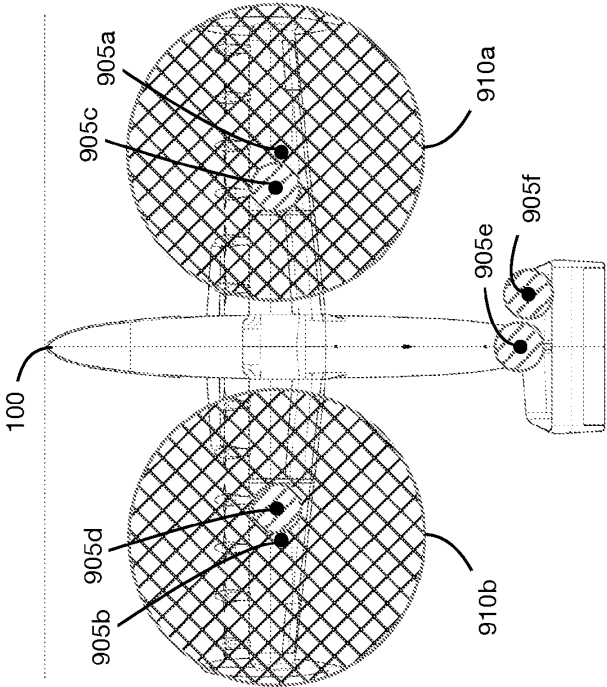


FIG. 9B

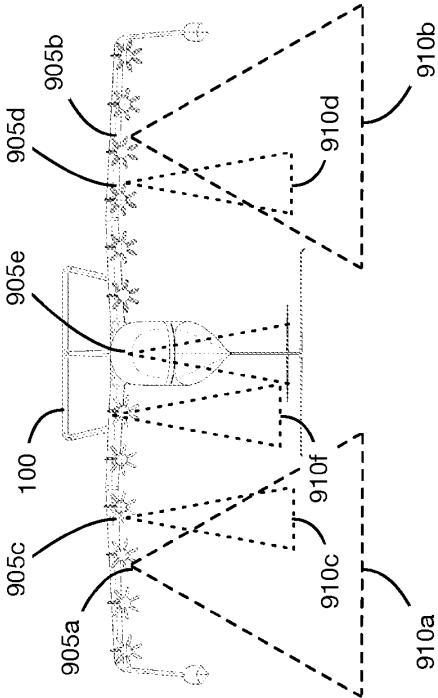


FIG. 9A

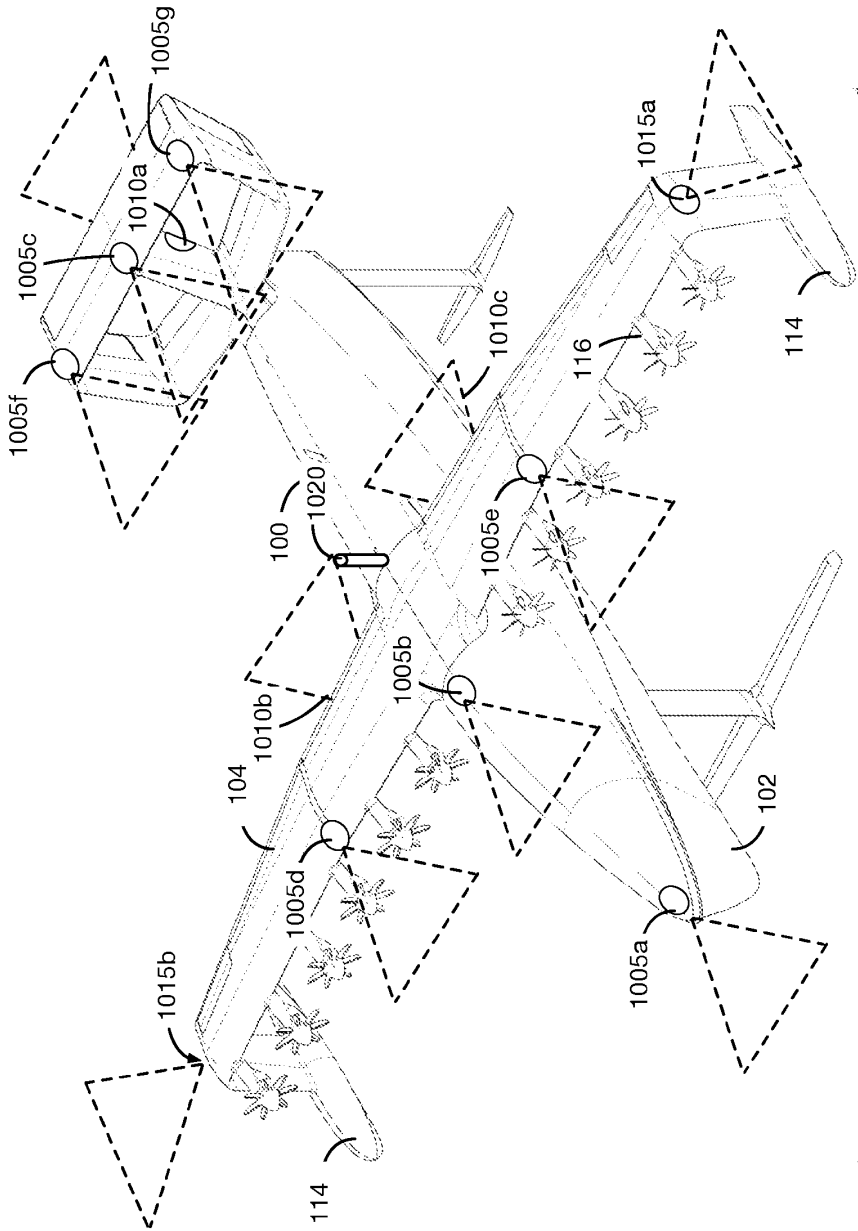


FIG. 10

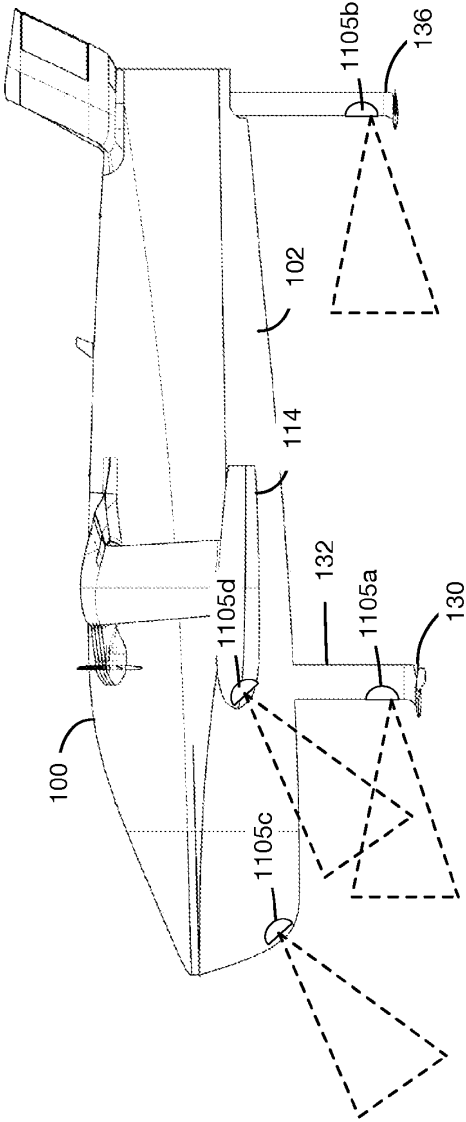


FIG. 11

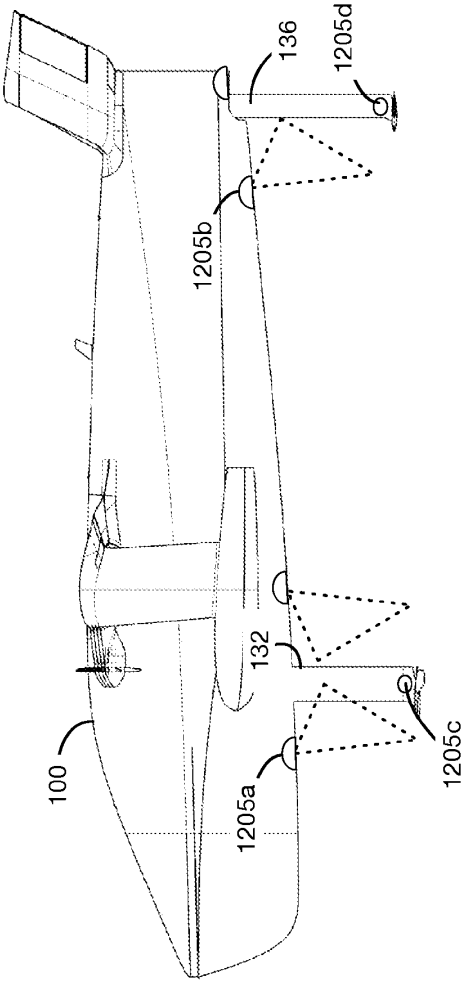


FIG. 12

Conflict Detection And Resolution Control (CDRC) Logic
1300

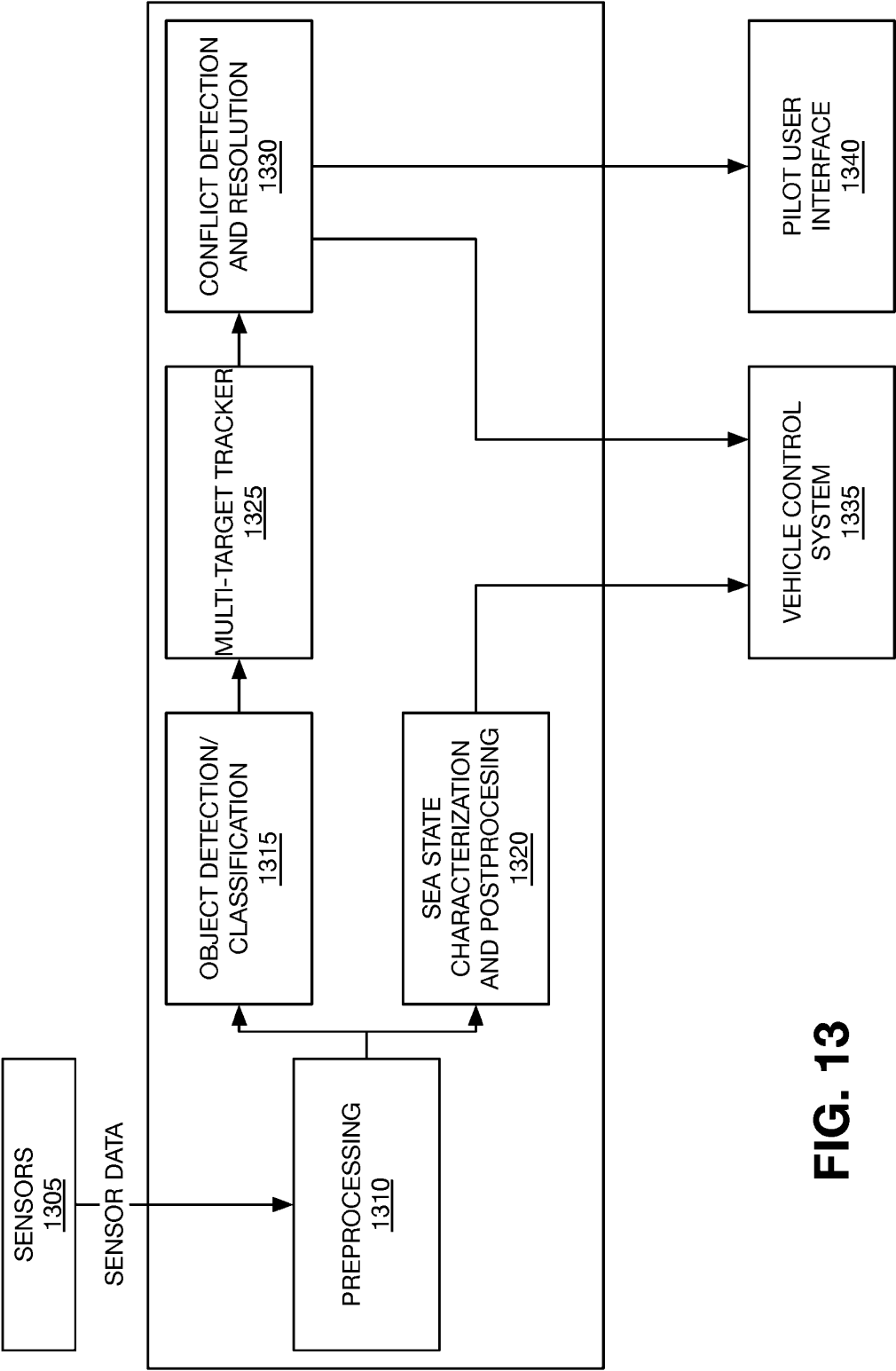
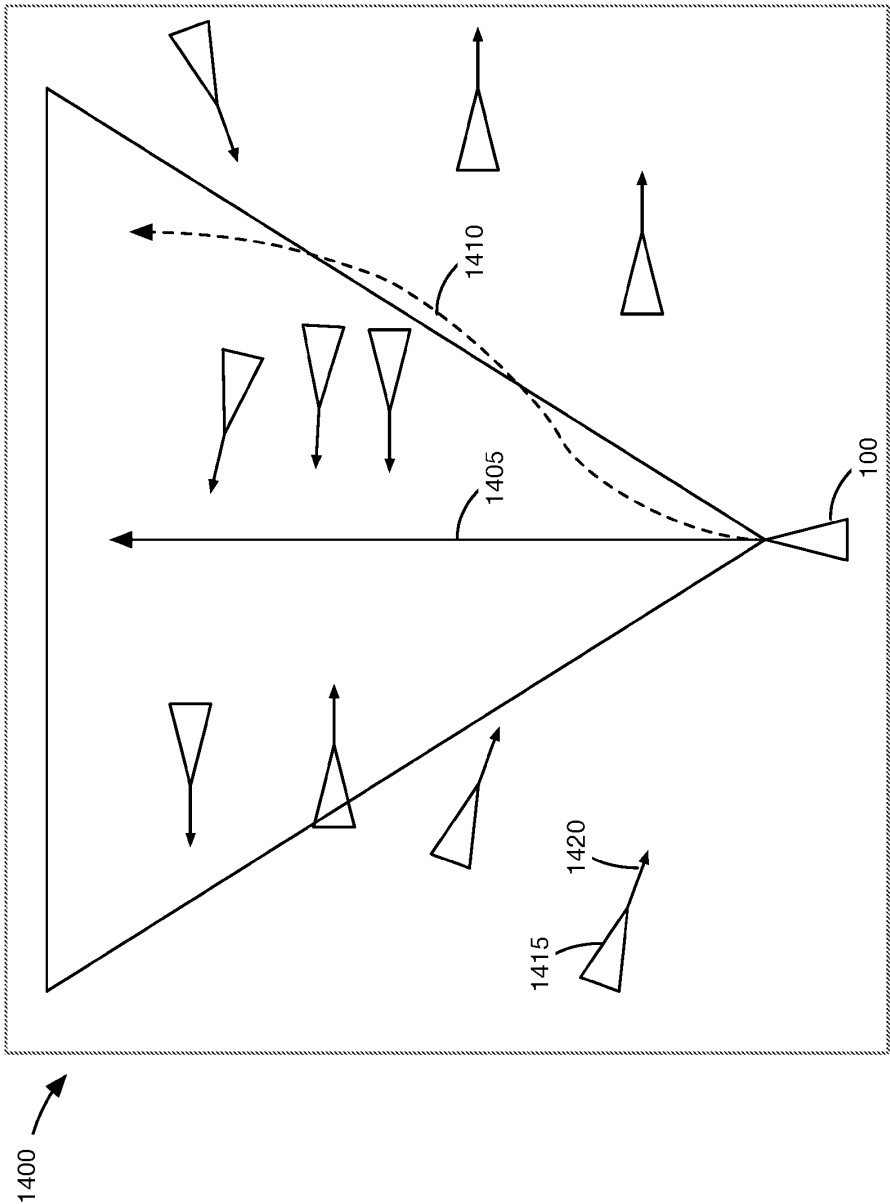
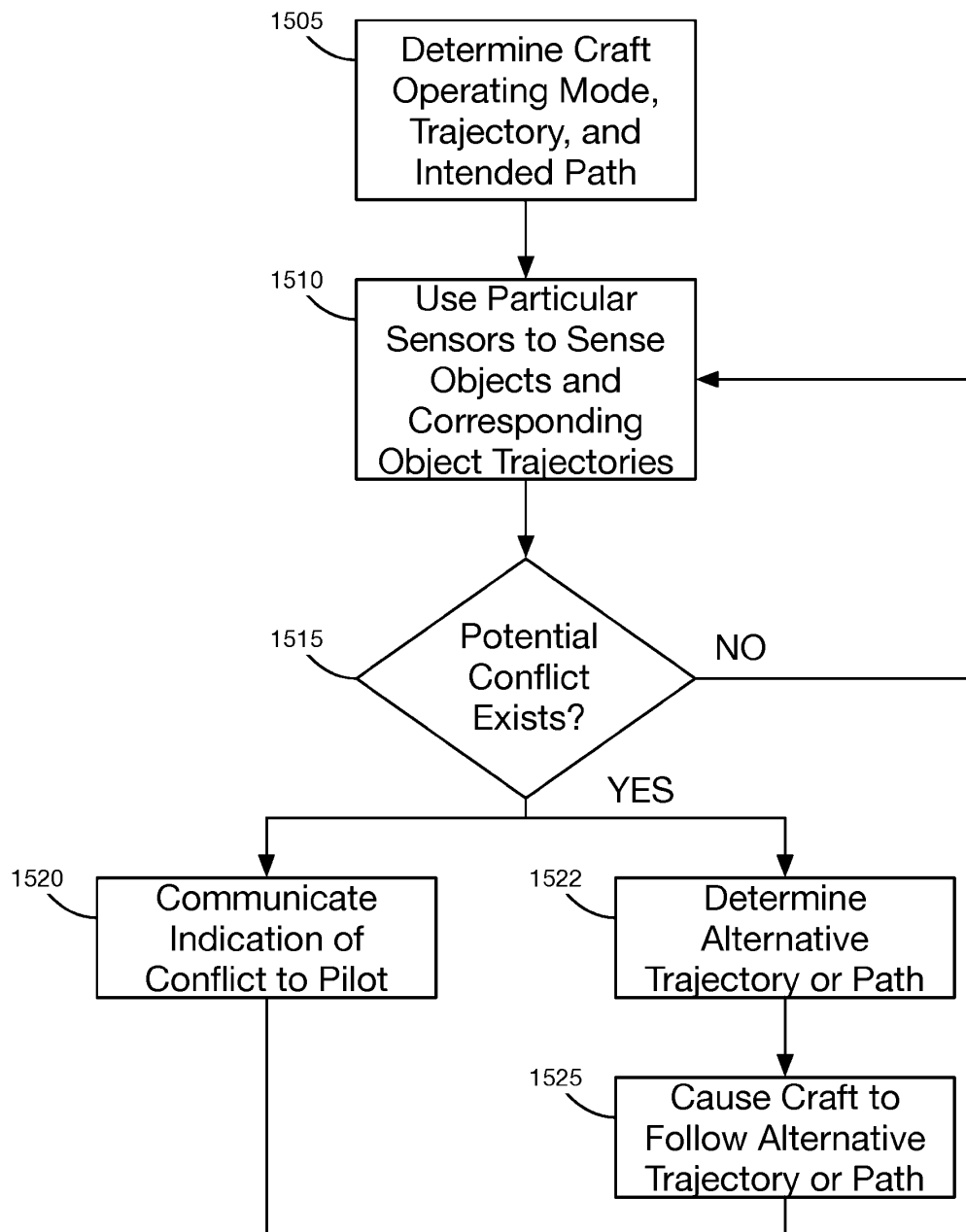


FIG. 13



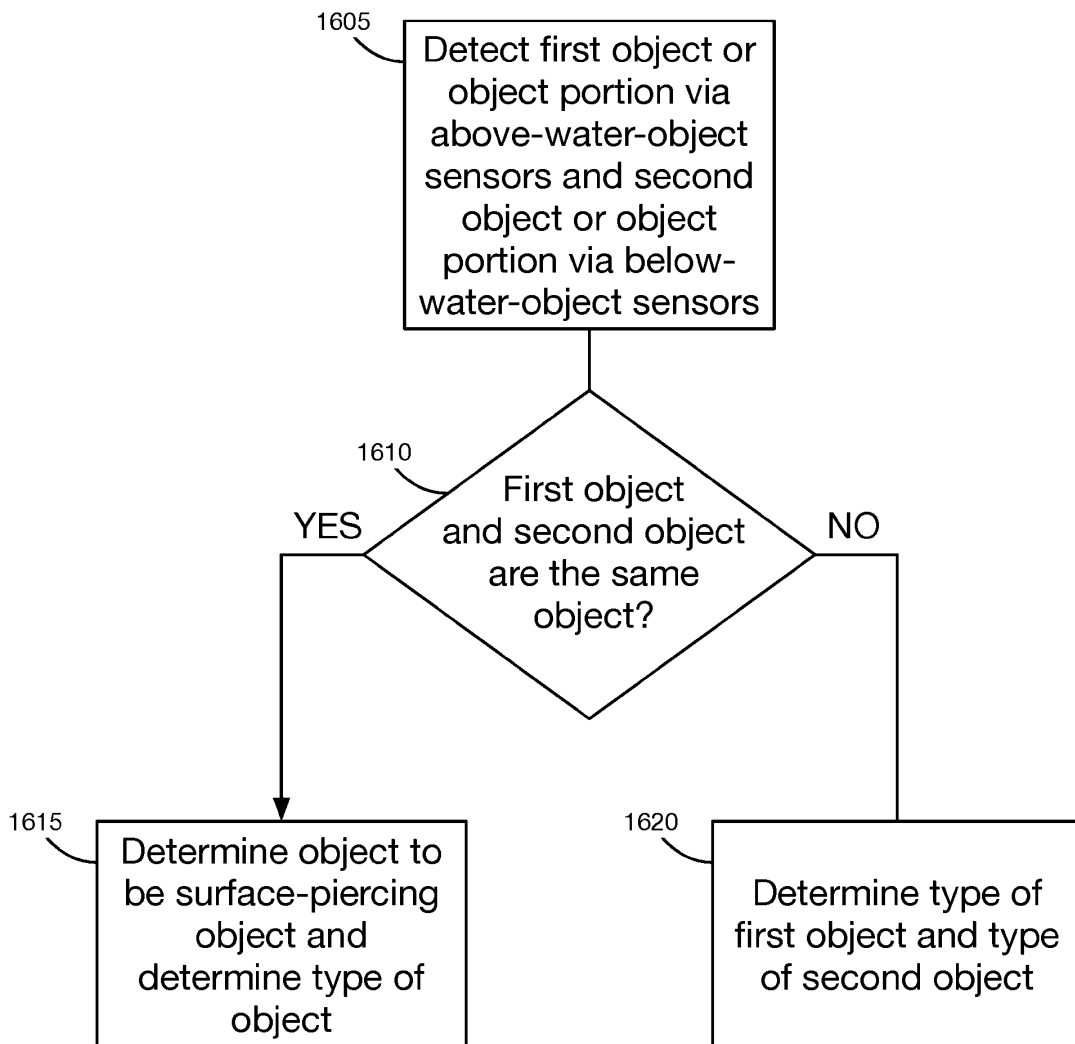
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Obstacle Avoidance Operations
1500

**FIG. 15**

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Surface-Piercing Object Identification Operations
1600

**FIG. 16**