

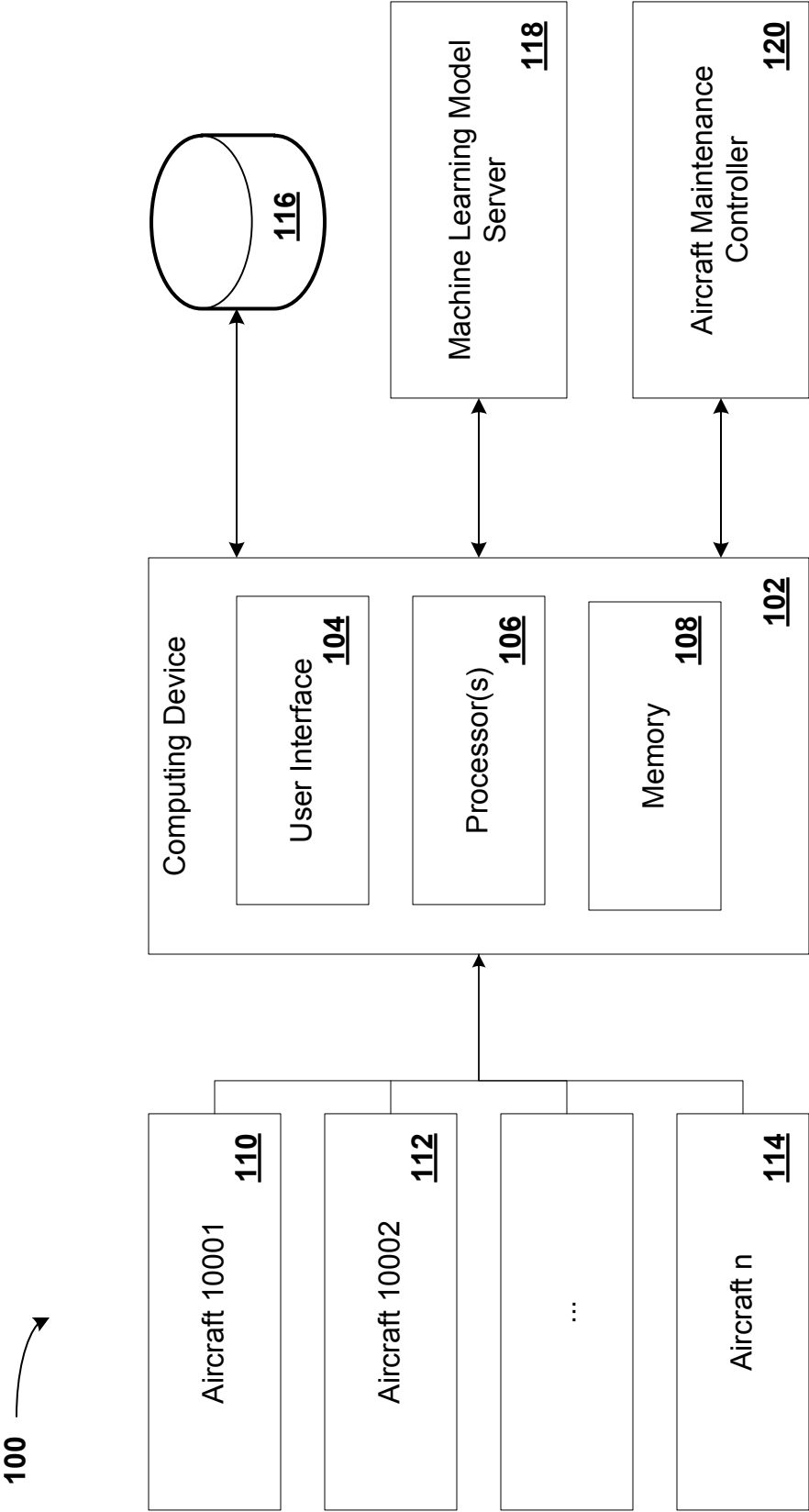


FIG. 1

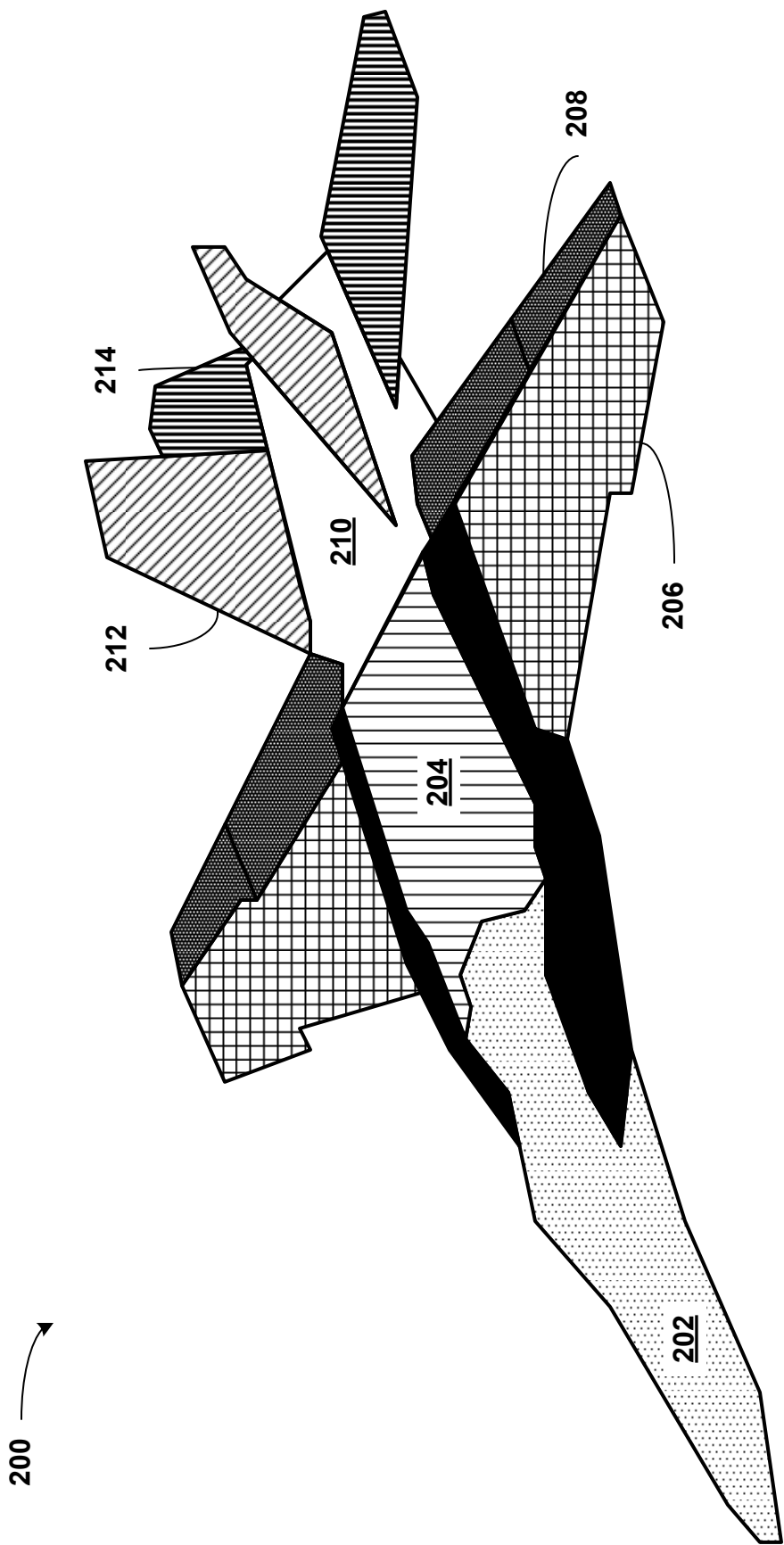


FIG. 2

300 

Flight 001:

Tail #	Time (s)	Left Aileron Position	Right Aileron Position
10001	0.1	0.16	0.1
10001	0.2	0.17	0.11
10001	0.3	0.16	0.13
10001	0.4	0.15	0.14
10001	0.5	0.14	0.13
10001	...	...	...
10001	3911.8	0.11	0.11
10001	3911.9	0.12	0.11

Flight 002:

Tail #	Time (s)	Left Aileron Position	Right Aileron Position
10001	0.1	0.17	0.11
10001	0.2	0.18	0.22
10001	0.3	0.17	0.15
10001	0.4	0.16	0.18
10001	0.5	0.15	0.16
10001	...	...	...
10001	3348.1	0.12	0.16
10001	3348.2	0.15	0.12

Other Flights for Tail #10001 and Tail #10002

...	...	...	...
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FIG. 3

400



Predetermined Operational Metrics

Tail #	Flight #	Left_Right_Aileron_Position_Difference_MIN	Left_Right_Aileron_Position_Difference_MAX	Left_Right_Aileron_Position_Difference_AVE	...
10001	001	0.01	0.06	0.0250	...
10001	002	0.0	0.07	0.0258	...
10002	001	0.01	0.07	0.0282	...
...	...	...	...	...	...
10002	004	0.02	0.08	0.0310	...
...	...	...	...	...	...

402



Additional Operational Metrics

Tail #	Left_Right_Aileron_Pos_Diff_MIN_AVG	Left_Right_Aileron_Pos_Diff_MIN_MAX	Left_Right_Aileron_Pos_Diff_MAX_AVG	Left_Right_Aileron_Pos_Diff_AVG_MAX	...
10001	0.005	0.01	0.065	0.0258	...
10002	0.008	0.02	0.075	0.0310	...
...	...	...	...	...	...

FIG. 4

500 →

Select Aircraft Type **502**

View Suggested Groupings **504**

Manually Select Groupings **506**

Save **508**

510

Associated Sensors/
Parameters **514** ▼

Right Aileron Position

Left Aileron Position

IMU

Altimeter

Aircraft Control Signals

Select Other

512

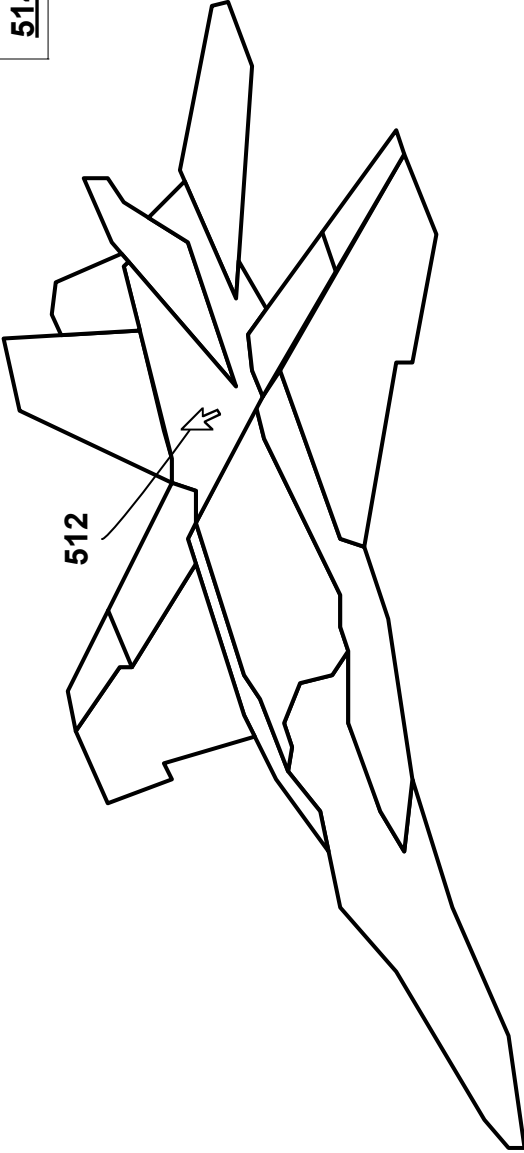
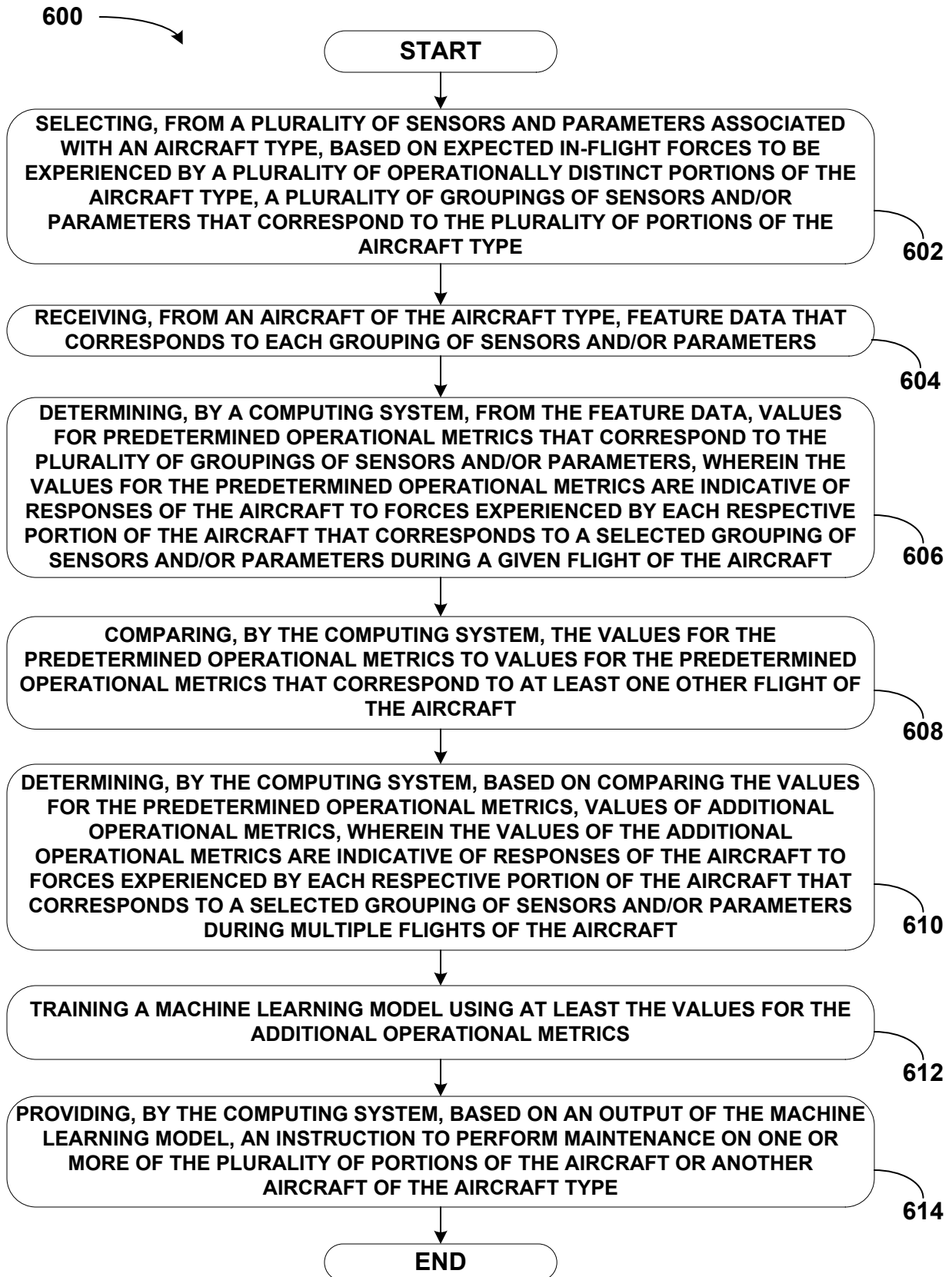
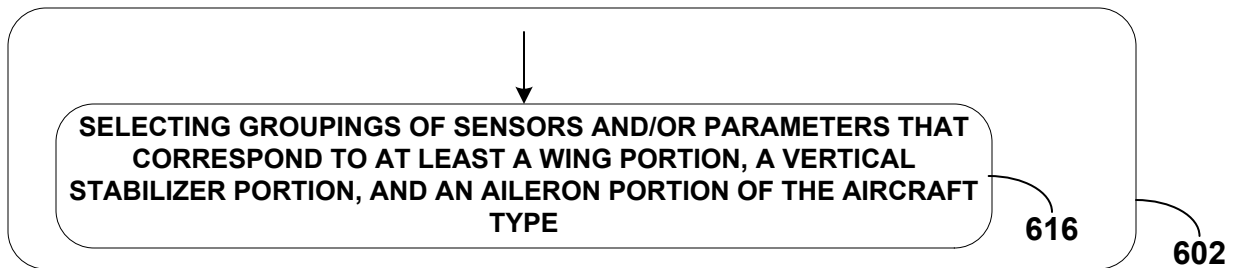
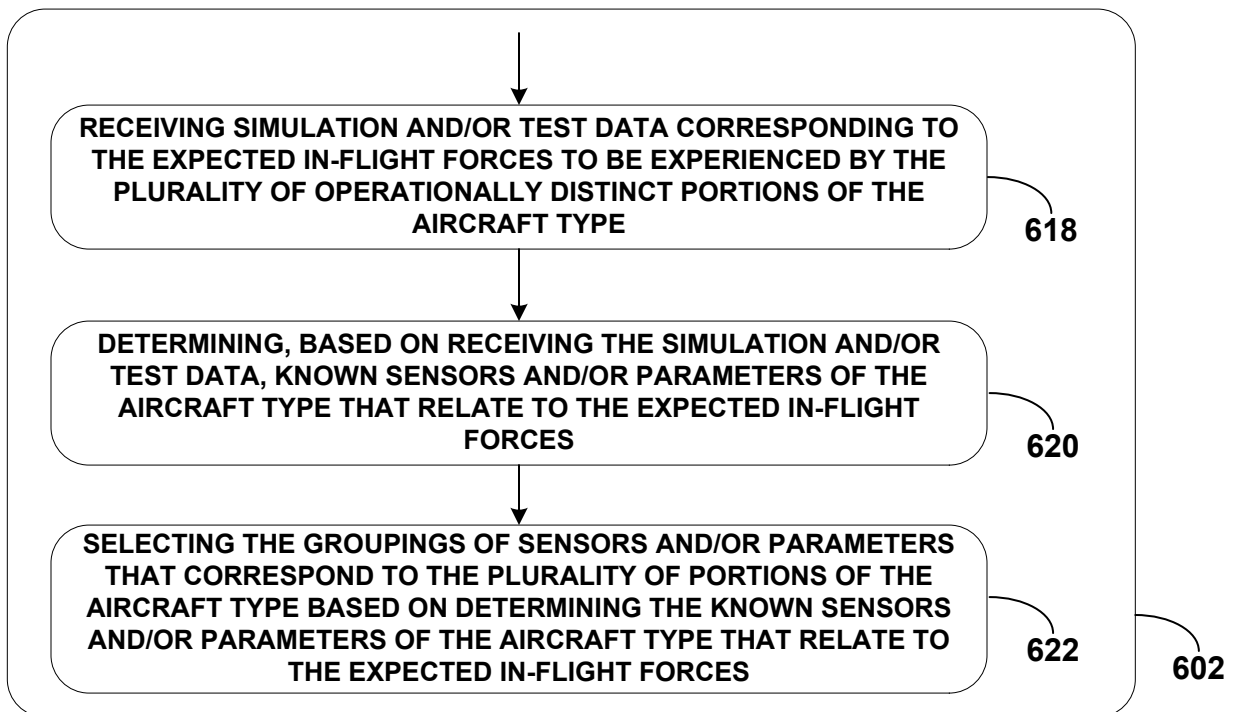
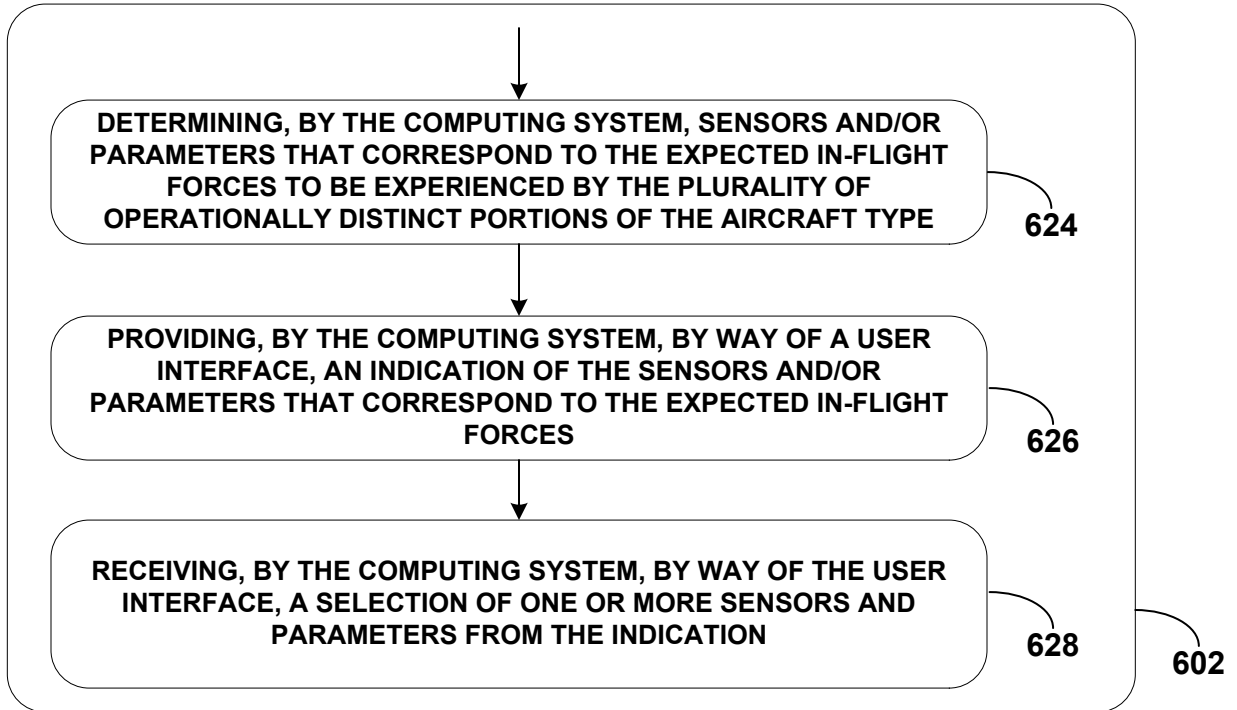


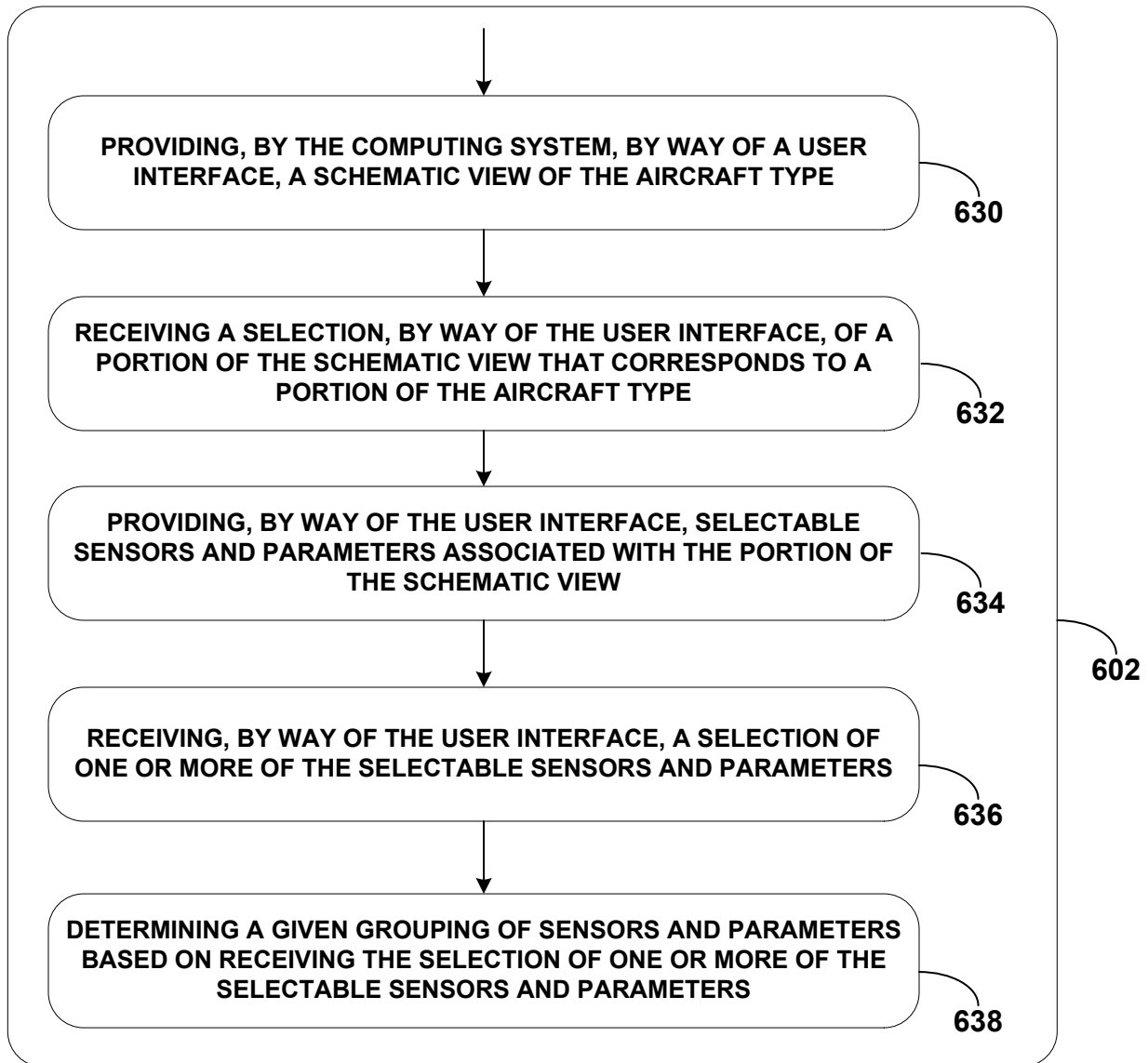
FIG. 5

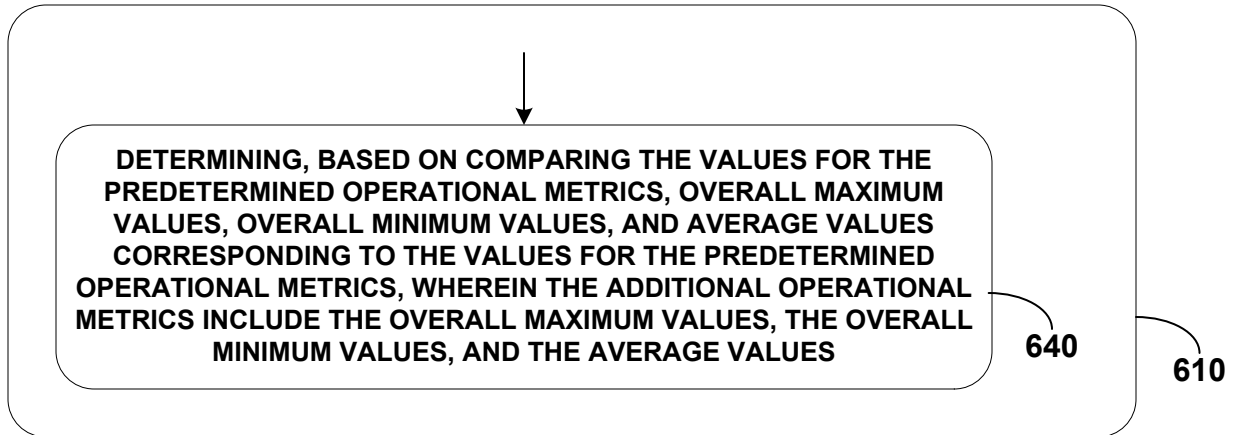
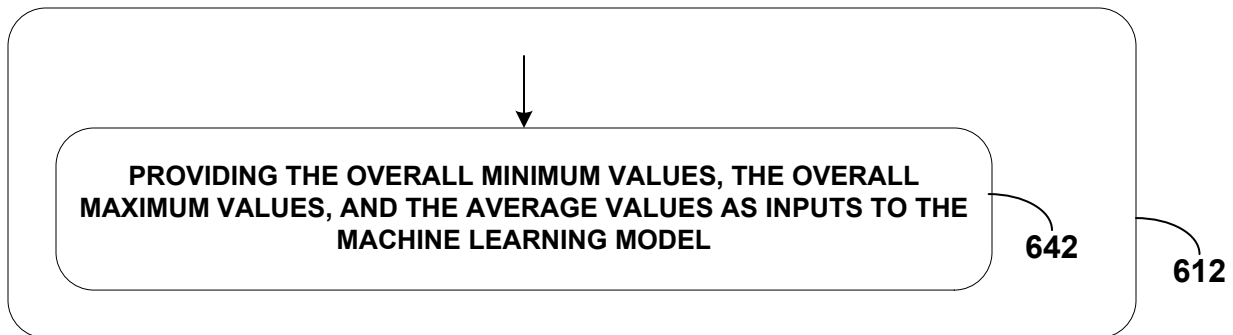
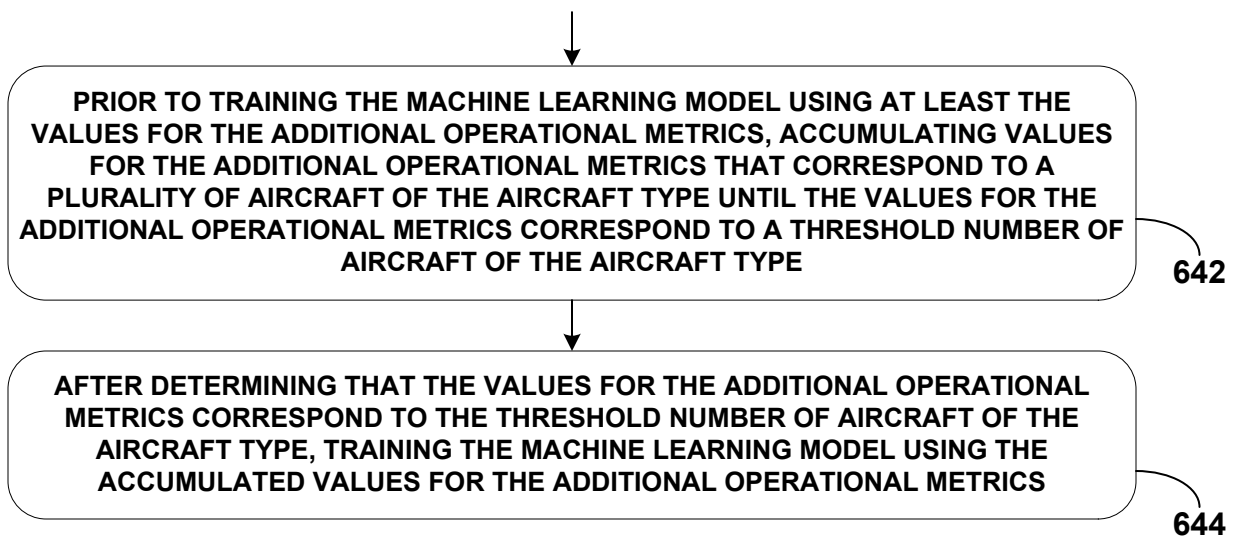
5/12

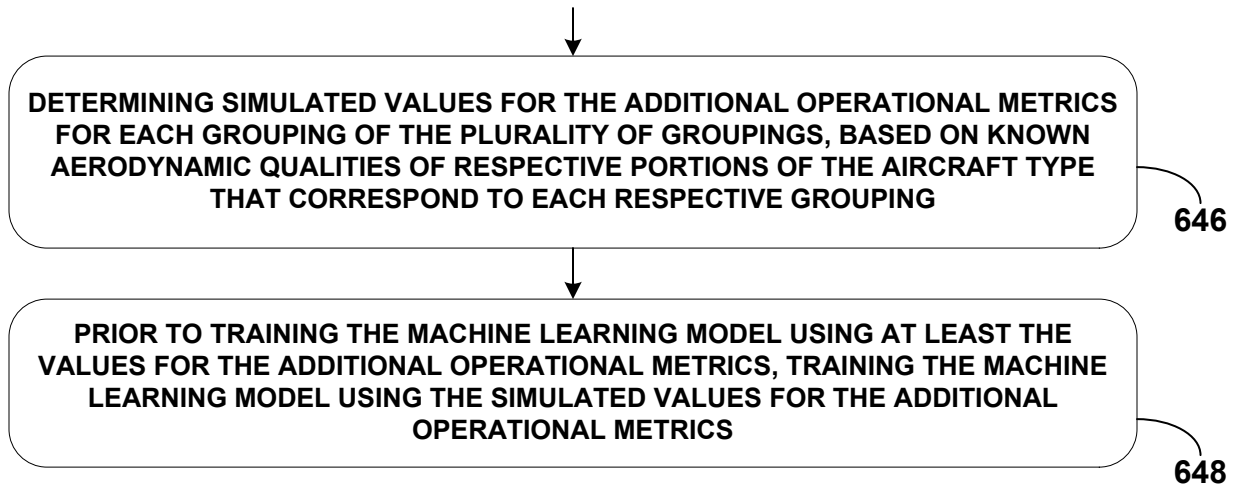
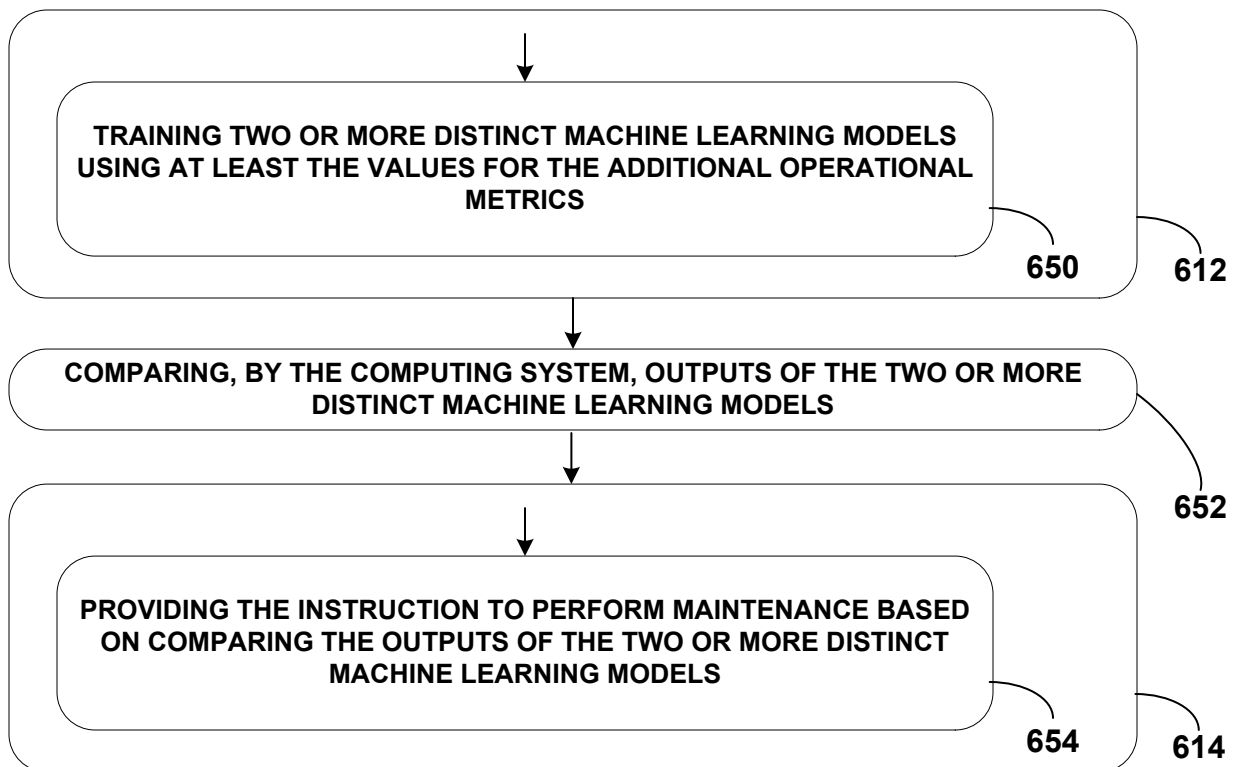
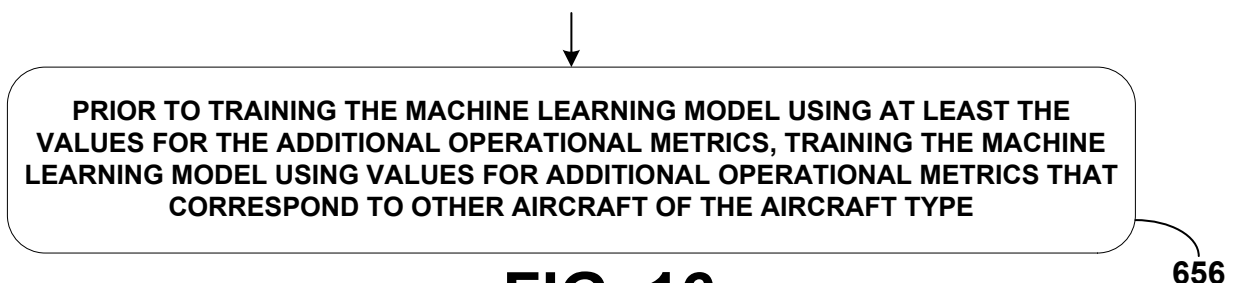
**FIG. 6**

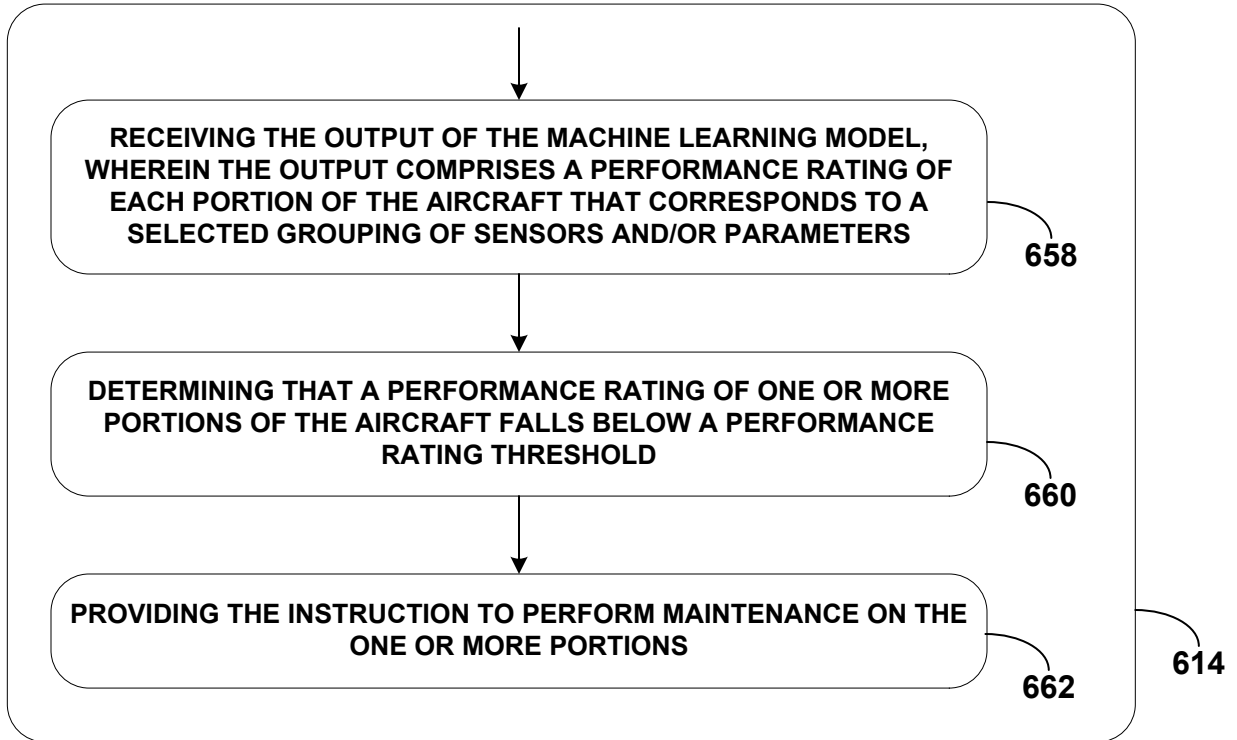
**FIG. 7****FIG. 8**

**FIG. 9**

**FIG. 10**

**FIG. 11****FIG. 12****FIG. 13**

**FIG. 14****FIG. 15****FIG. 16**

**FIG. 17**