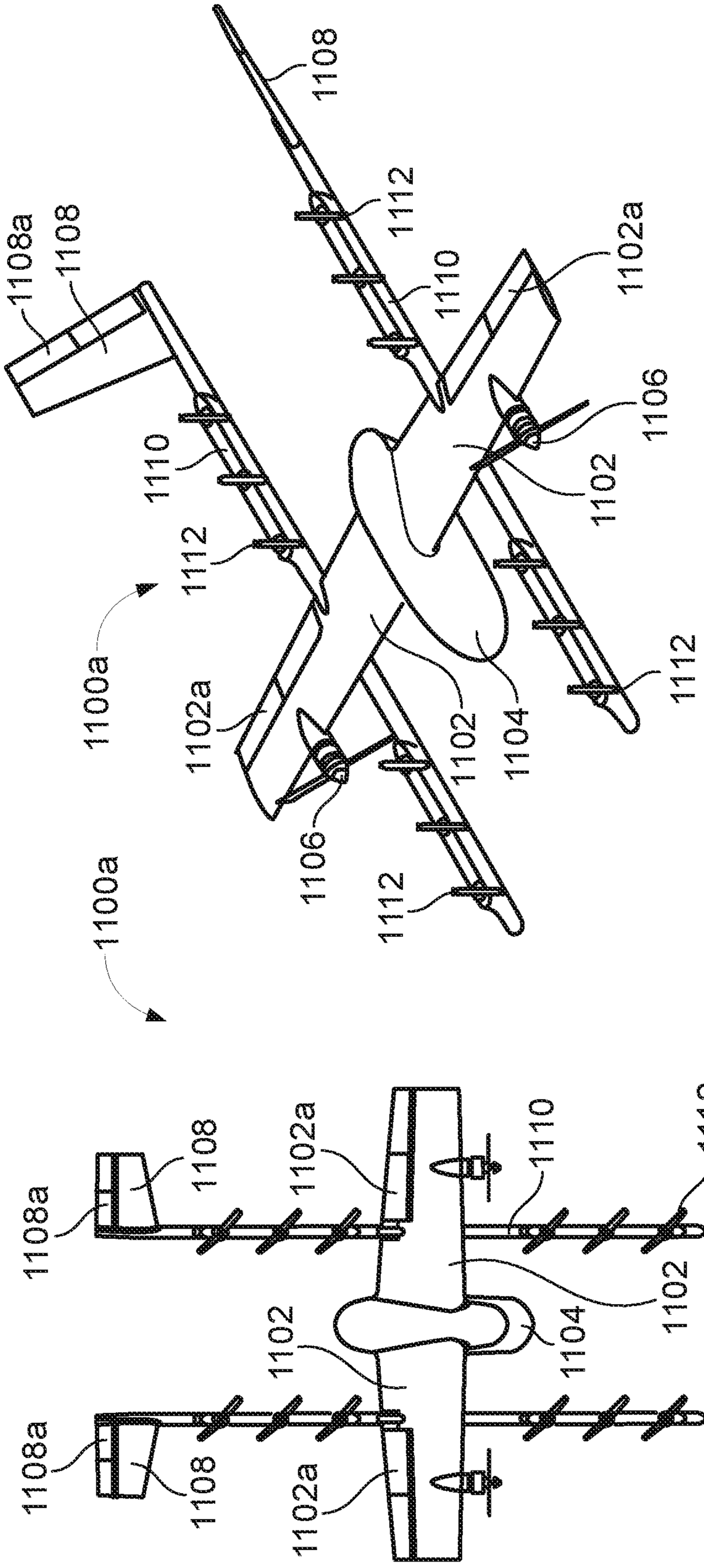

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1102
1102a
1102
1104
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1112
1100a
1104
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1102a
1110
1112
1102
1102
1104
1108a
1108
1102a

FIG. 1A

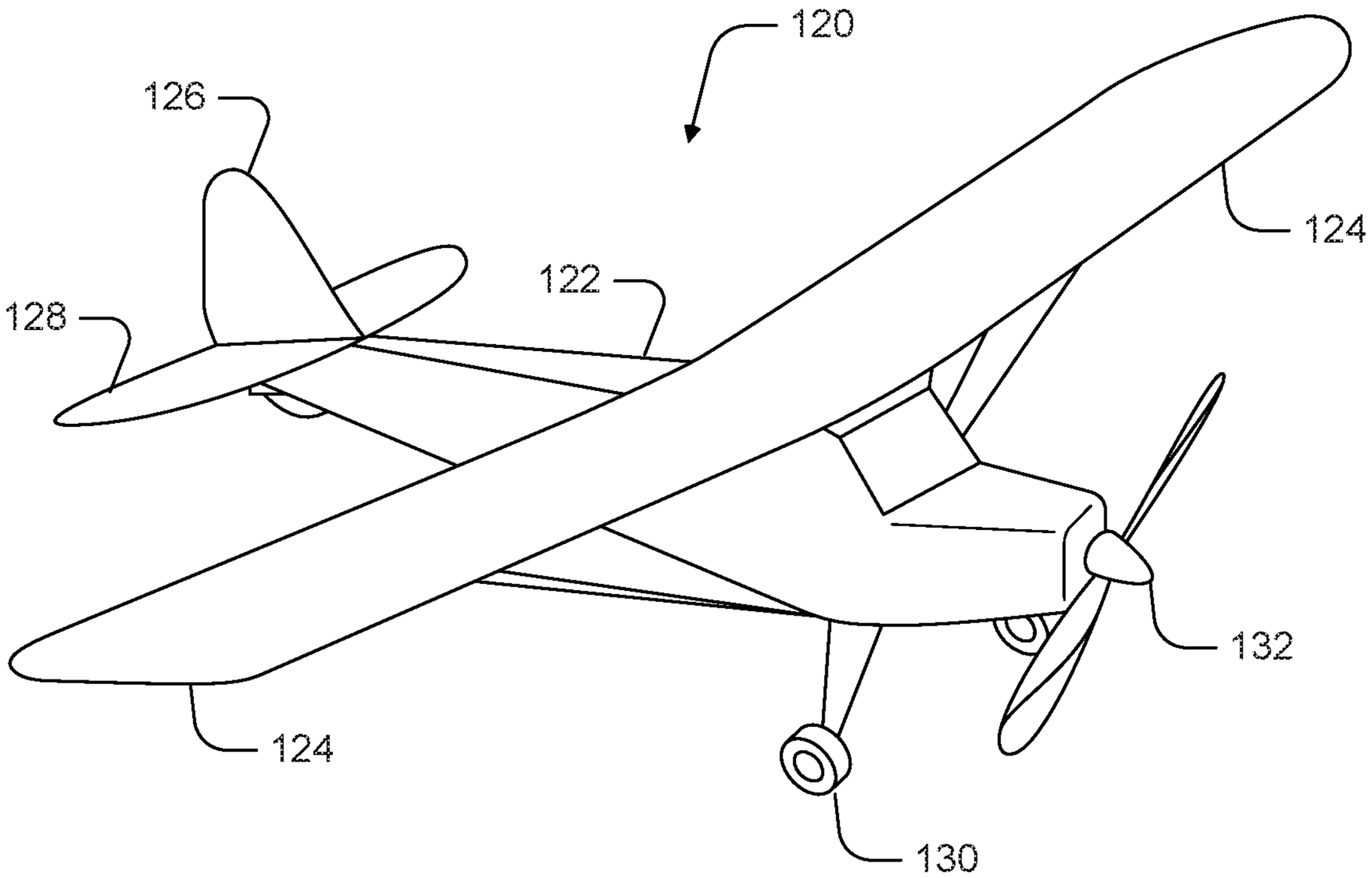


FIG. 1B

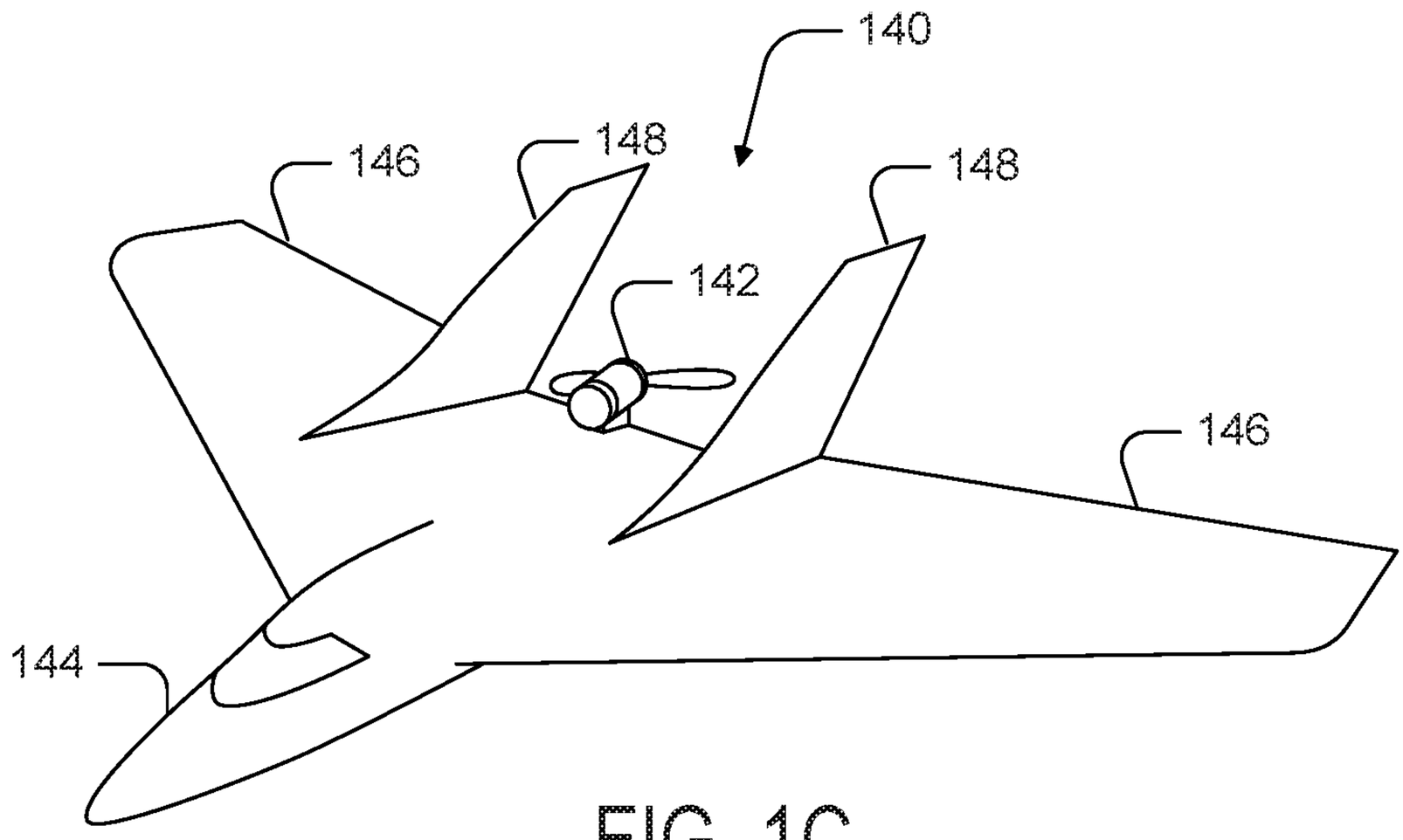


FIG. 1C

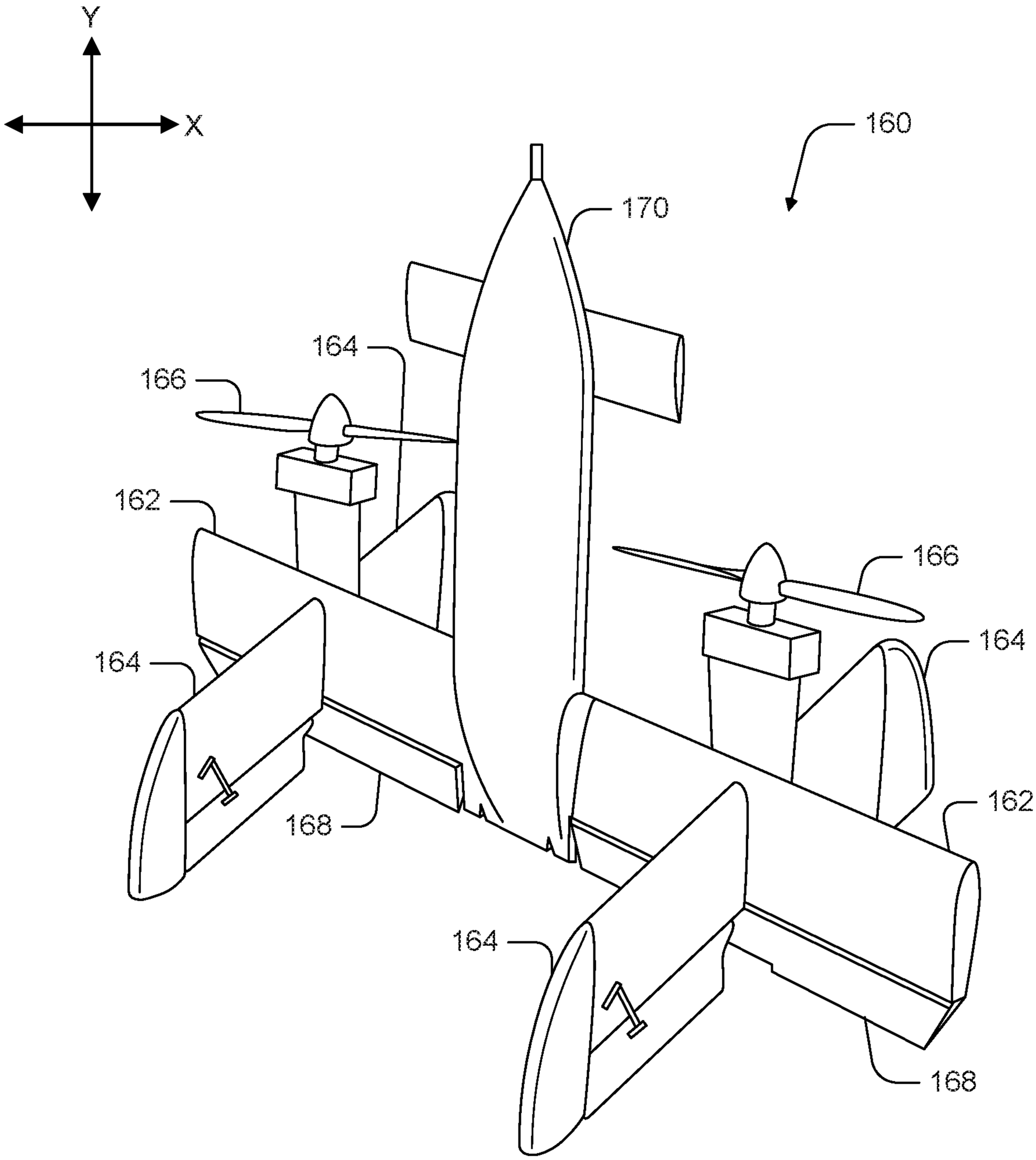


FIG. 1D

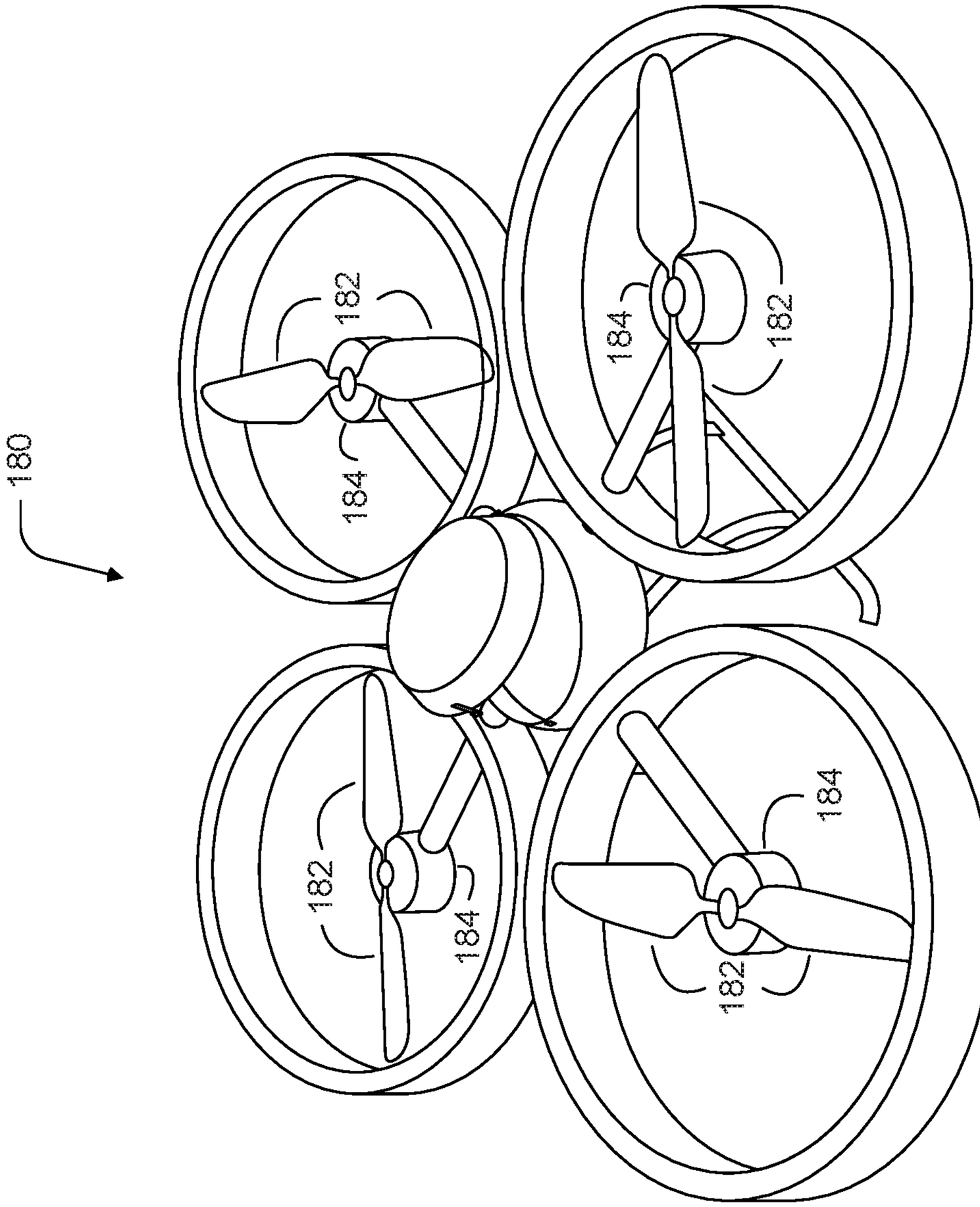


FIG. 1E

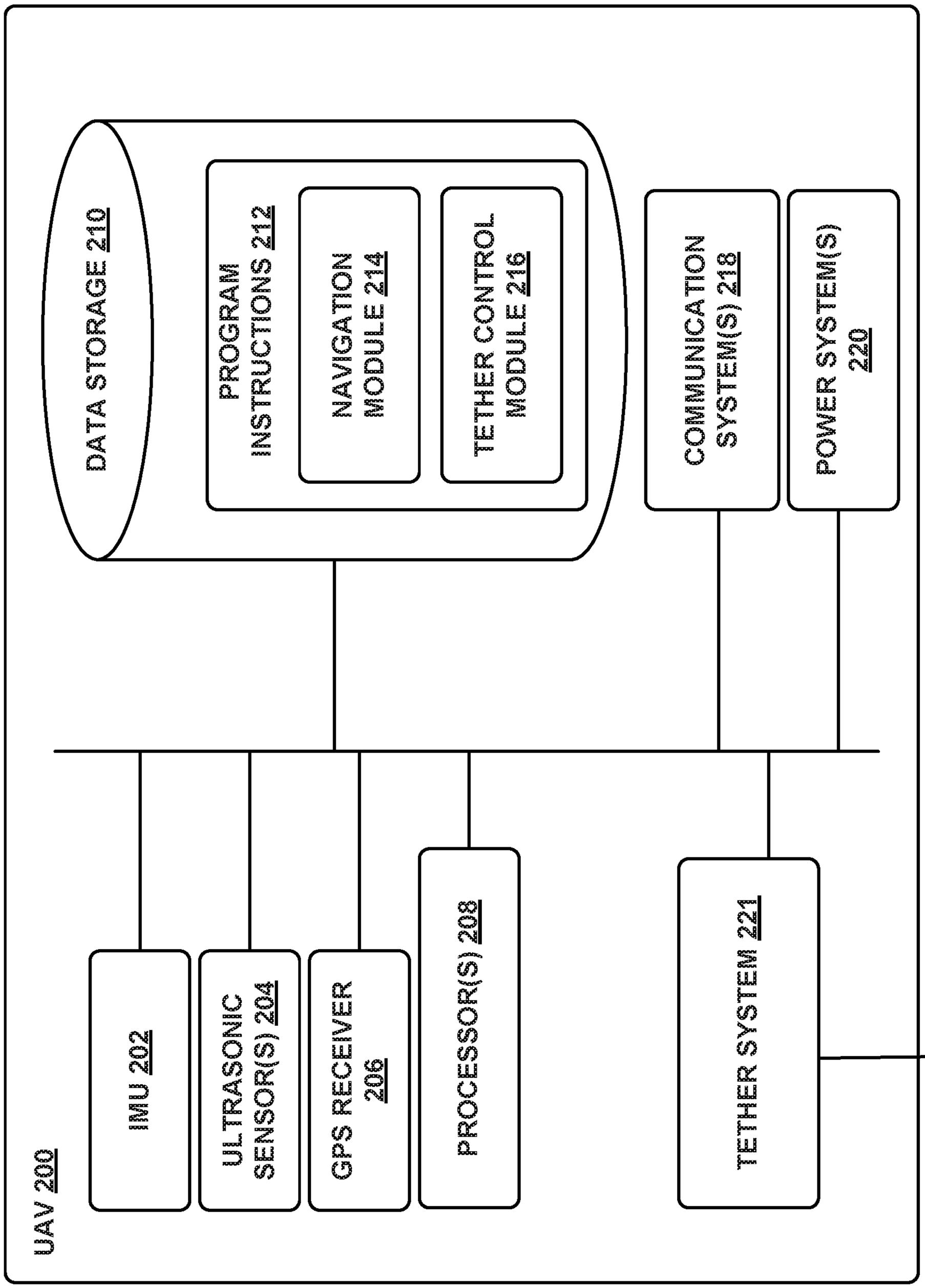

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PROCESSOR(S) 208
DATA STORAGE 210
PROGRAM INSTRUCTIONS 212
NAVIGATION MODULE 214
TETHER CONTROL MODULE 216
COMMUNICATION SYSTEM(S) 218
POWER SYSTEM(S) 220
TETHER SYSTEM 221
PAYLOAD 228

FIG. 2

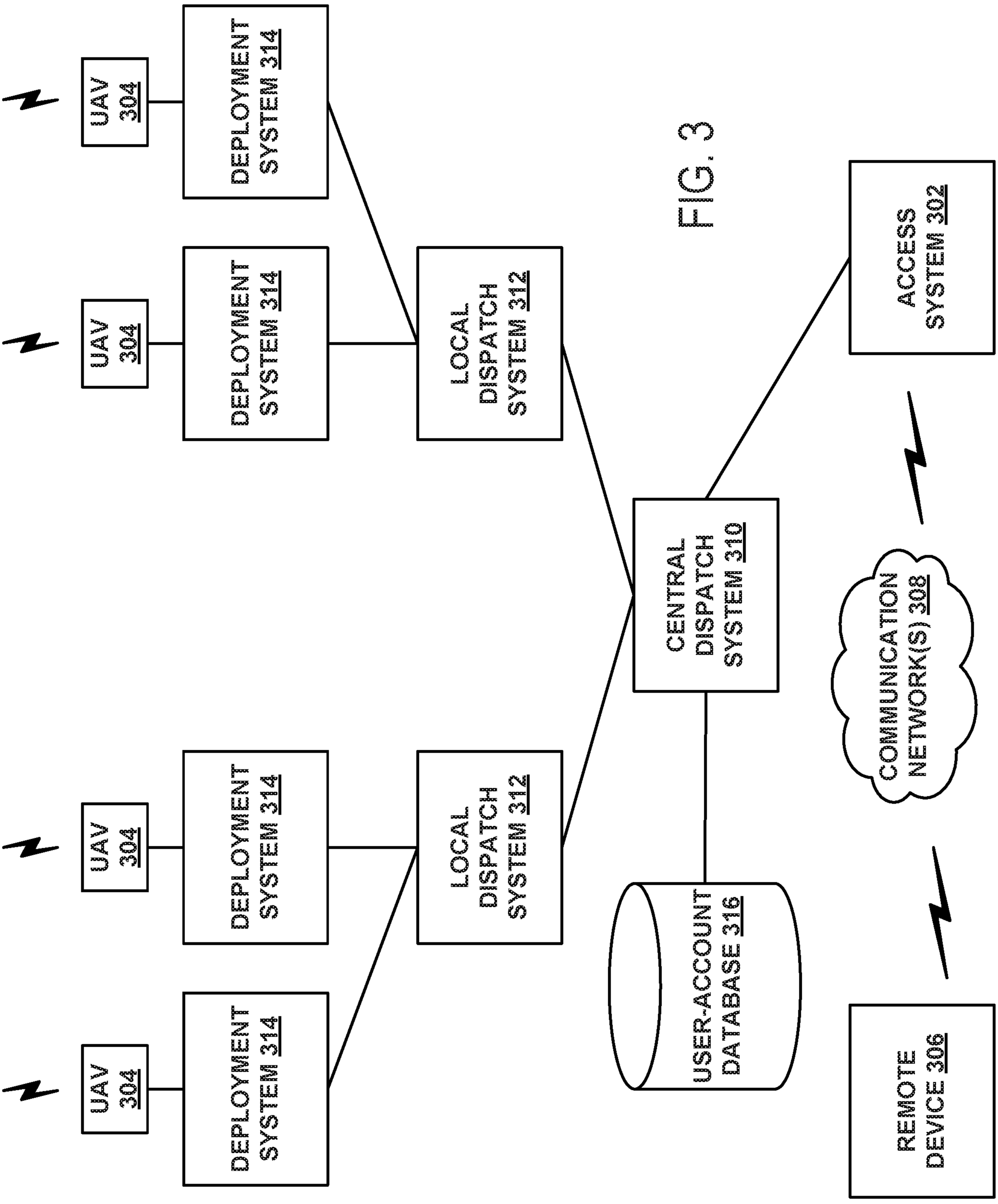

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ACCESS SYSTEM 302
COMMUNICATION NETWORK(S) 308
USER-ACCOUNT DATABASE 316
REMOTE DEVICE 306

FIG. 3

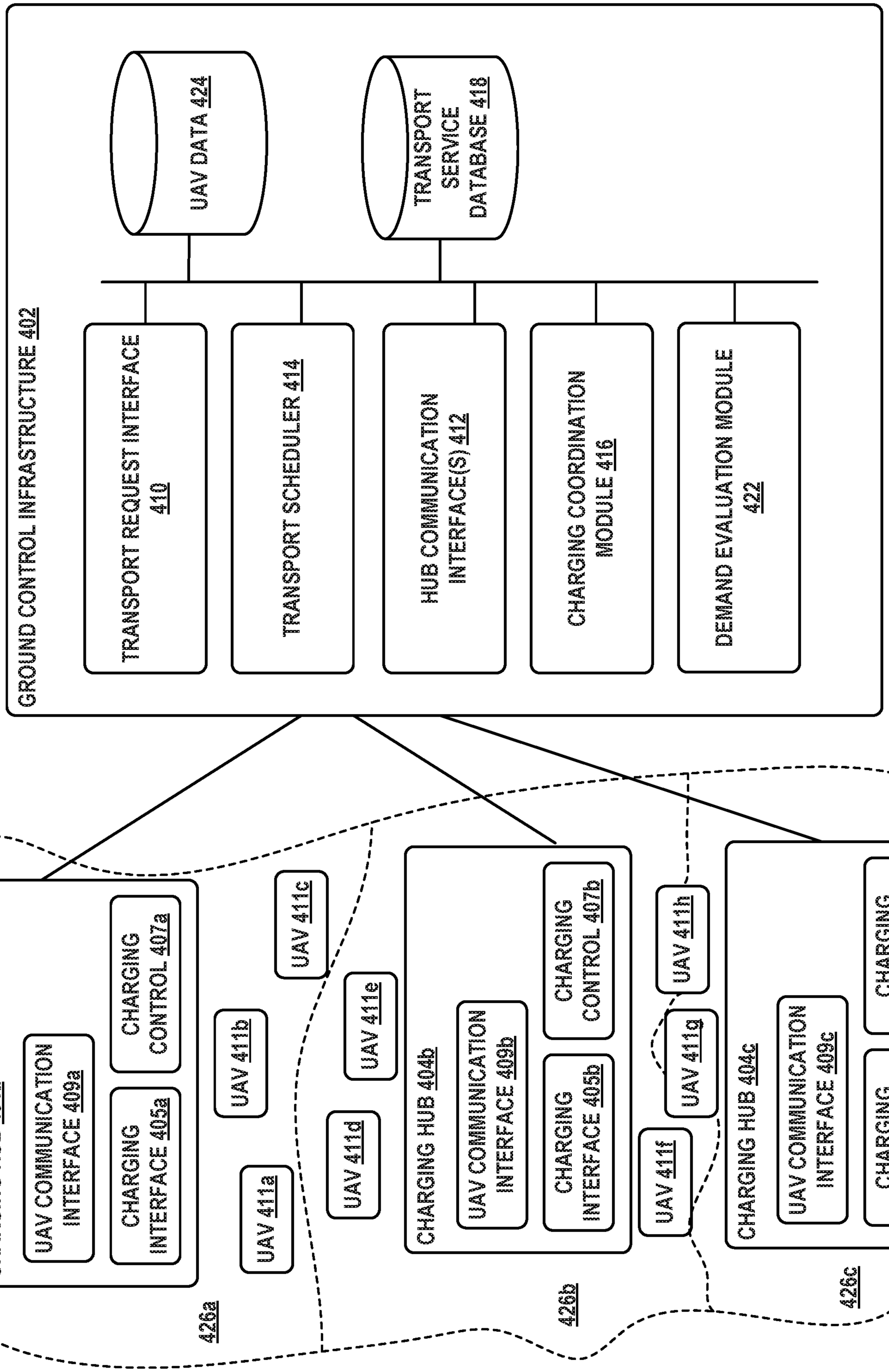

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DEMAND EVALUATION MODULE 422
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CHARGING INTERFACE 405a
CHARGING CONTROL 407a
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UAV 411b
UAV 411c
UAV 411d
UAV 411e
CHARGING HUB 404b
UAV COMMUNICATION INTERFACE 409b
CHARGING INTERFACE 405b
CHARGING CONTROL 407b
UAV 411f
UAV 411g
UAV 411h
CHARGING HUB 404c
UAV COMMUNICATION INTERFACE 409c
CHARGING INTERFACE 405c
CHARGING CONTROL 407c
UAV 411i
426a
426b
426c

FIG. 4

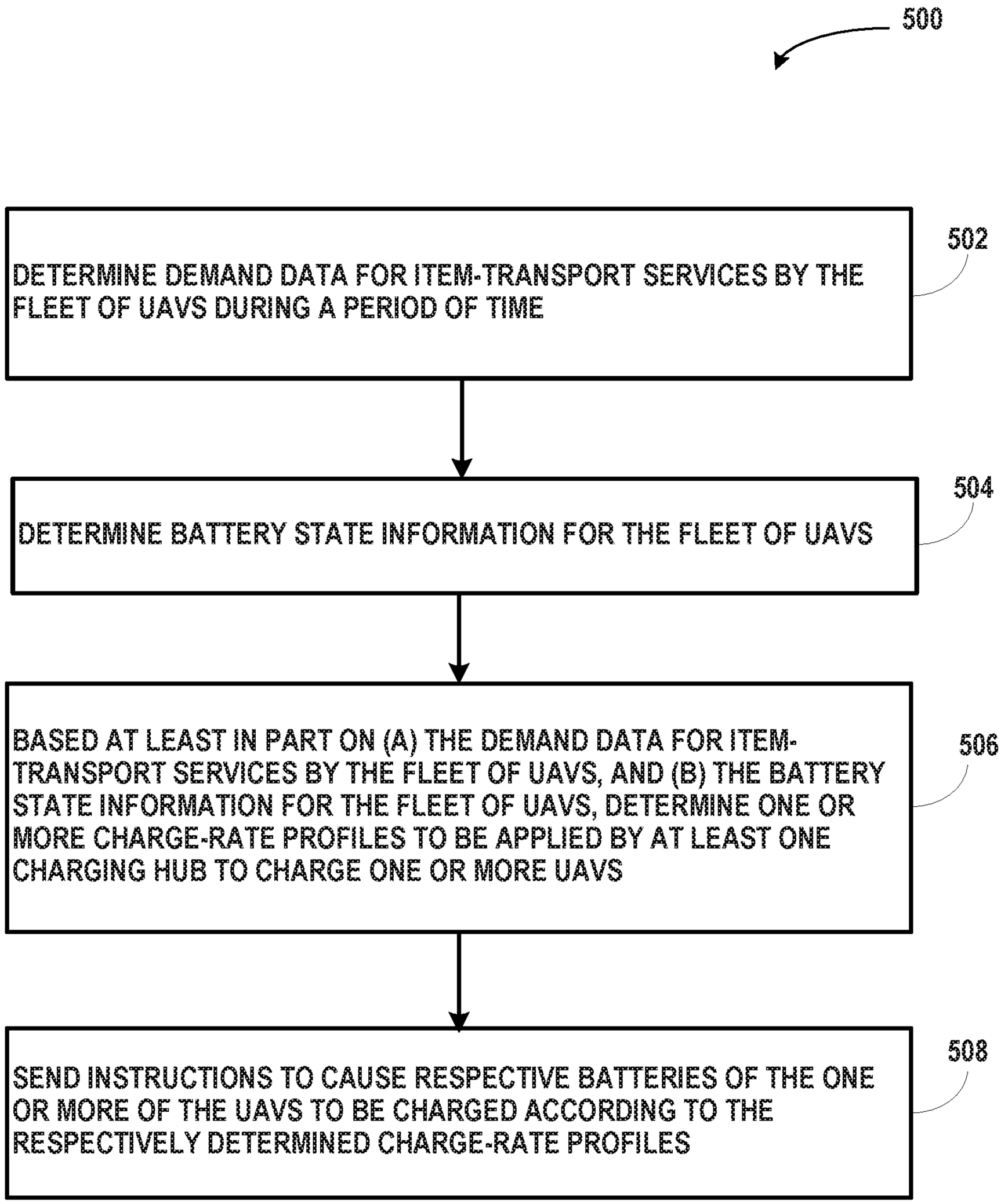

500
DETERMINE DEMAND DATA FOR ITEM-TRANSPORT SERVICES BY THE FLEET OF UAVS DURING A PERIOD OF TIME
502
DETERMINE BATTERY STATE INFORMATION FOR THE FLEET OF UAVS
504
BASED AT LEAST IN PART ON (A) THE DEMAND DATA FOR ITEM-TRANSPORT SERVICES BY THE FLEET OF UAVS, AND (B) THE BATTERY STATE INFORMATION FOR THE FLEET OF UAVS, DETERMINE ONE OR MORE CHARGE-RATE PROFILES TO BE APPLIED BY AT LEAST ONE CHARGING HUB TO CHARGE ONE OR MORE UAVS
506
SEND INSTRUCTIONS TO CAUSE RESPECTIVE BATTERIES OF THE ONE OR MORE OF THE UAVS TO BE CHARGED ACCORDING TO THE RESPECTIVELY DETERMINED CHARGE-RATE PROFILES
508

FIG. 5