FIG. 1

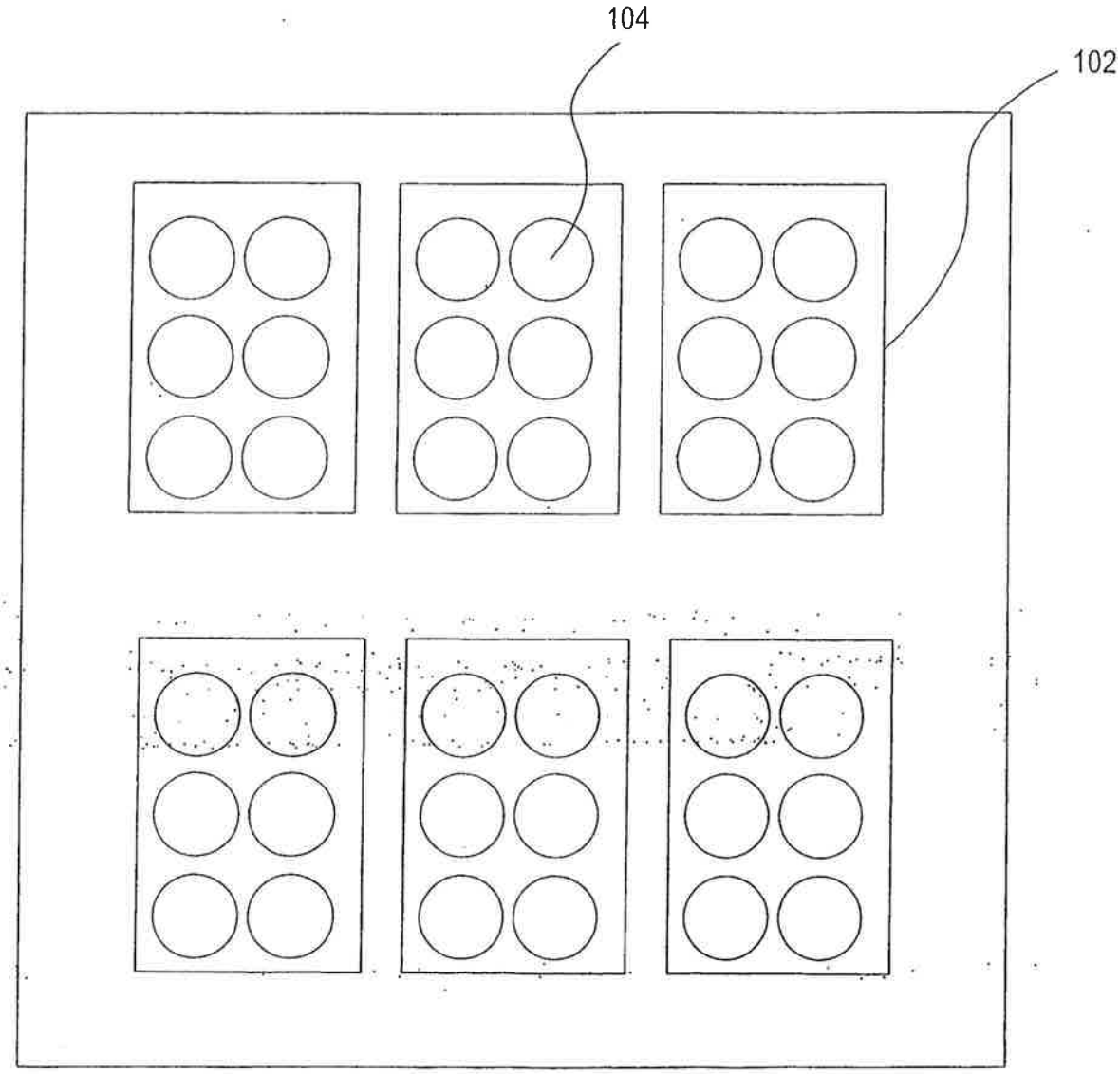


FIG. 2

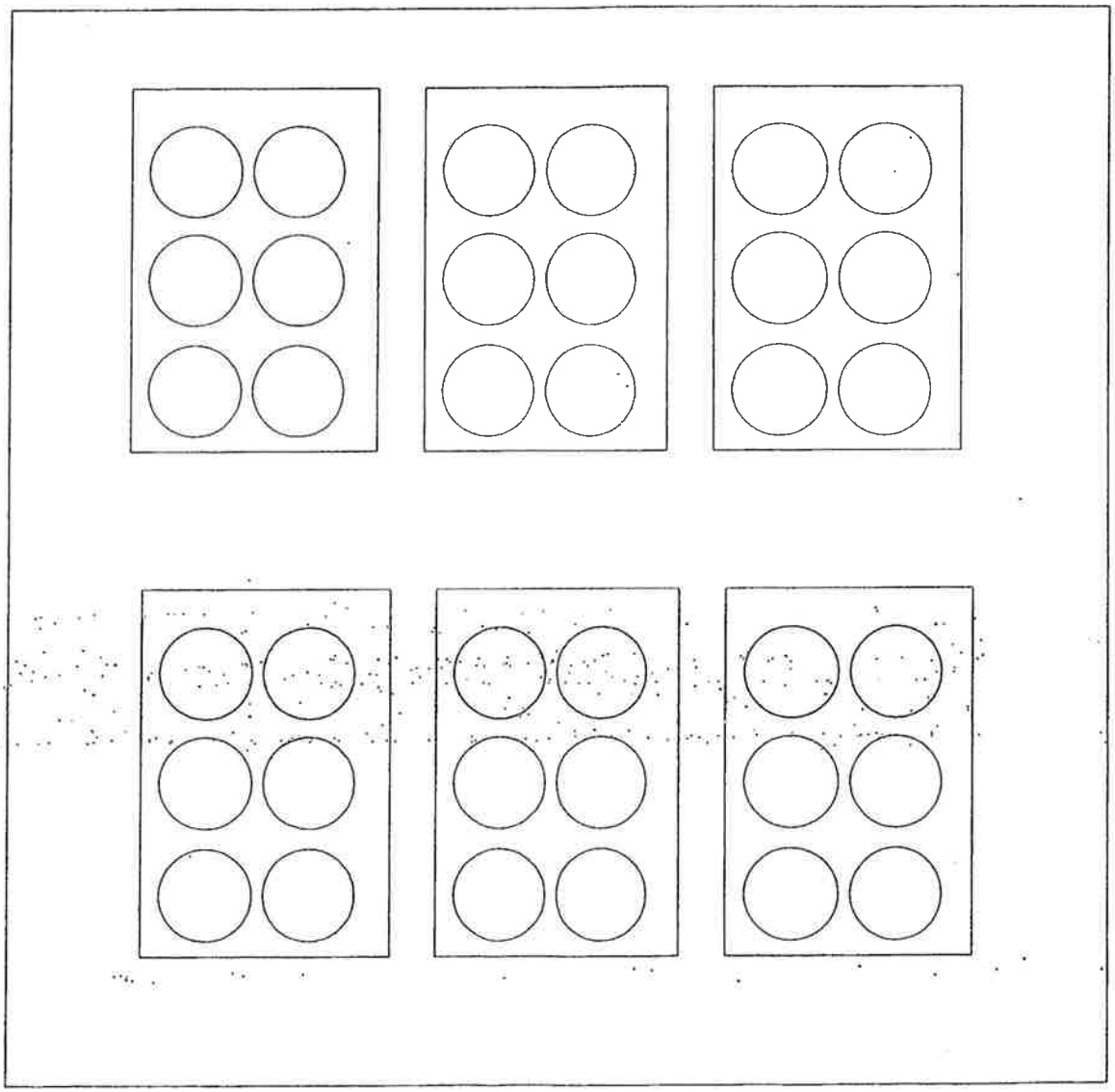


FIG. 3

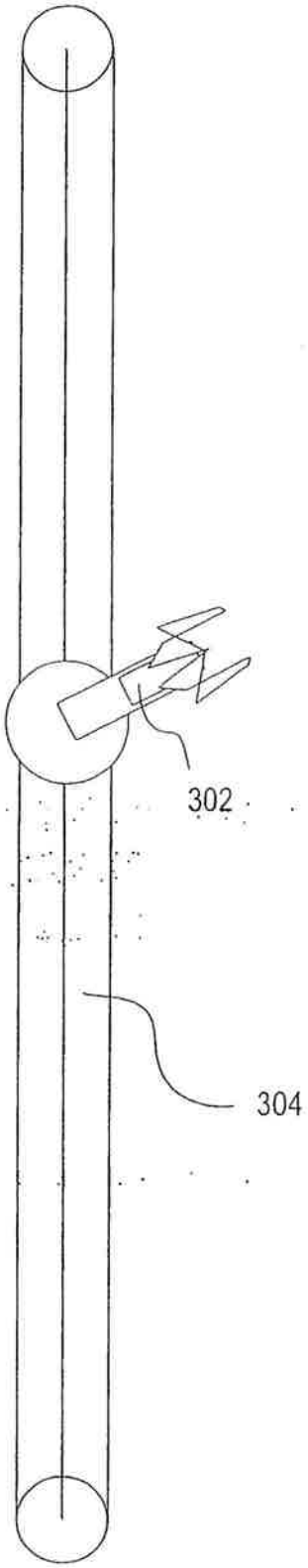


FIG. 4

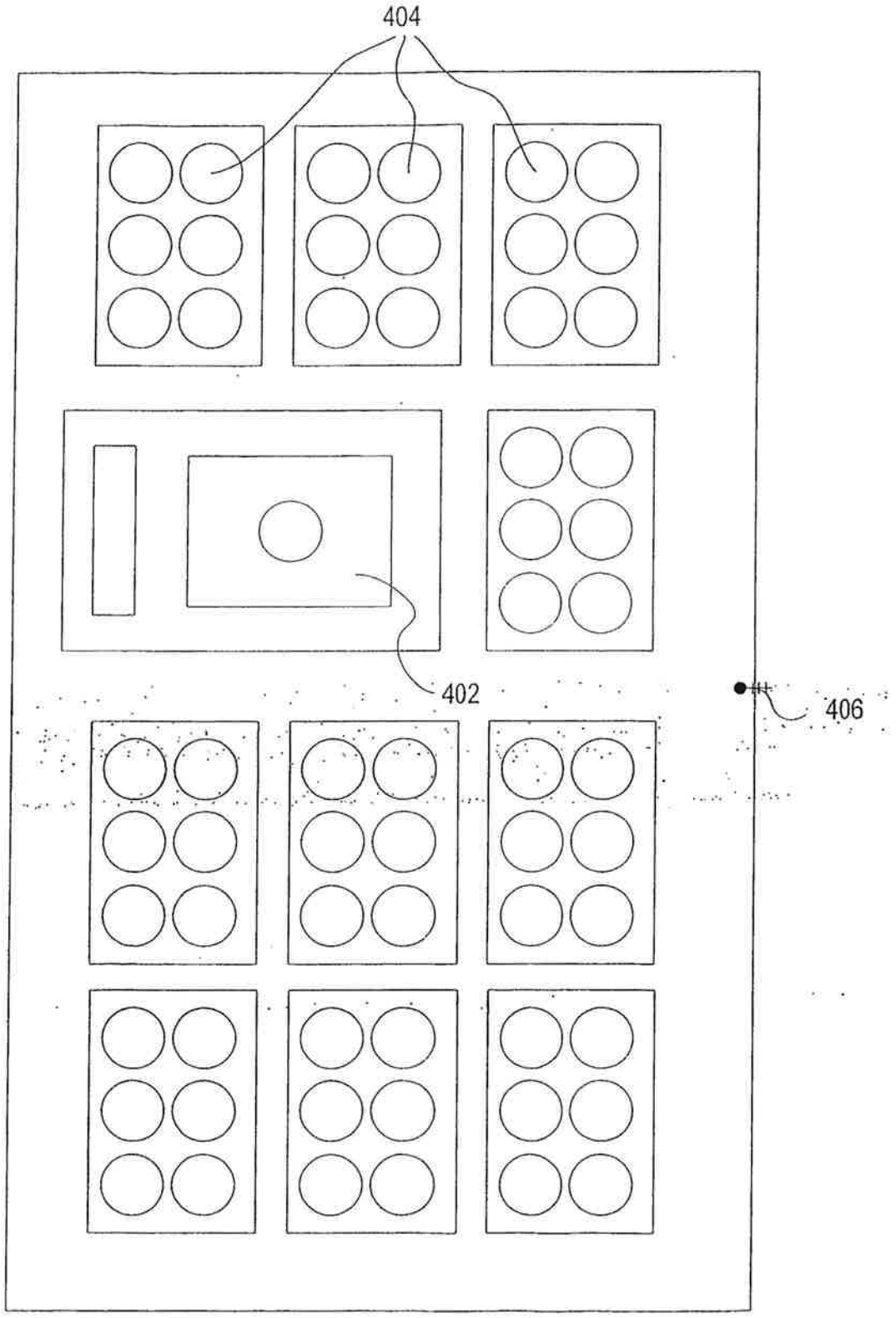


FIG. 5

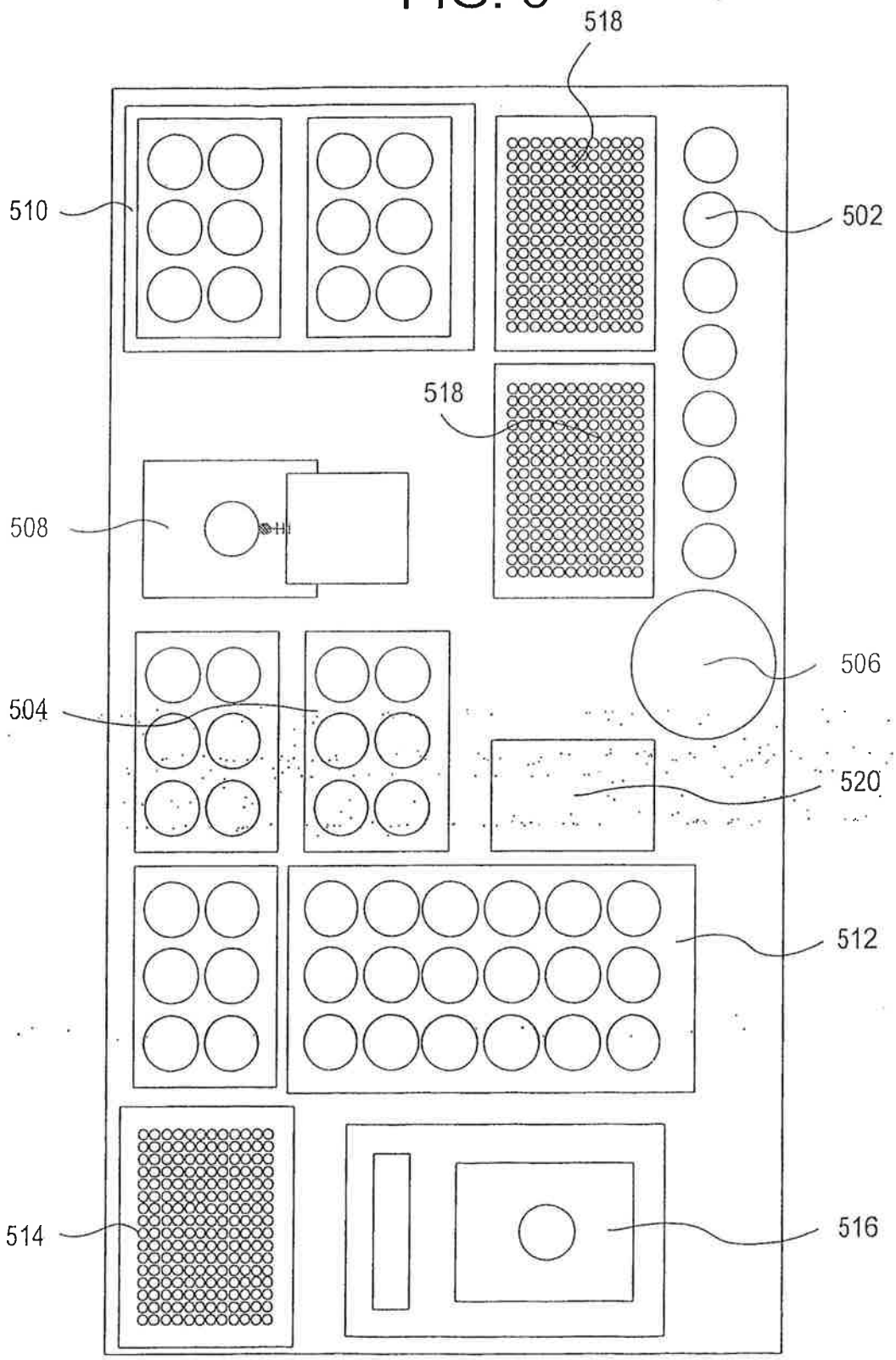


FIG. 6

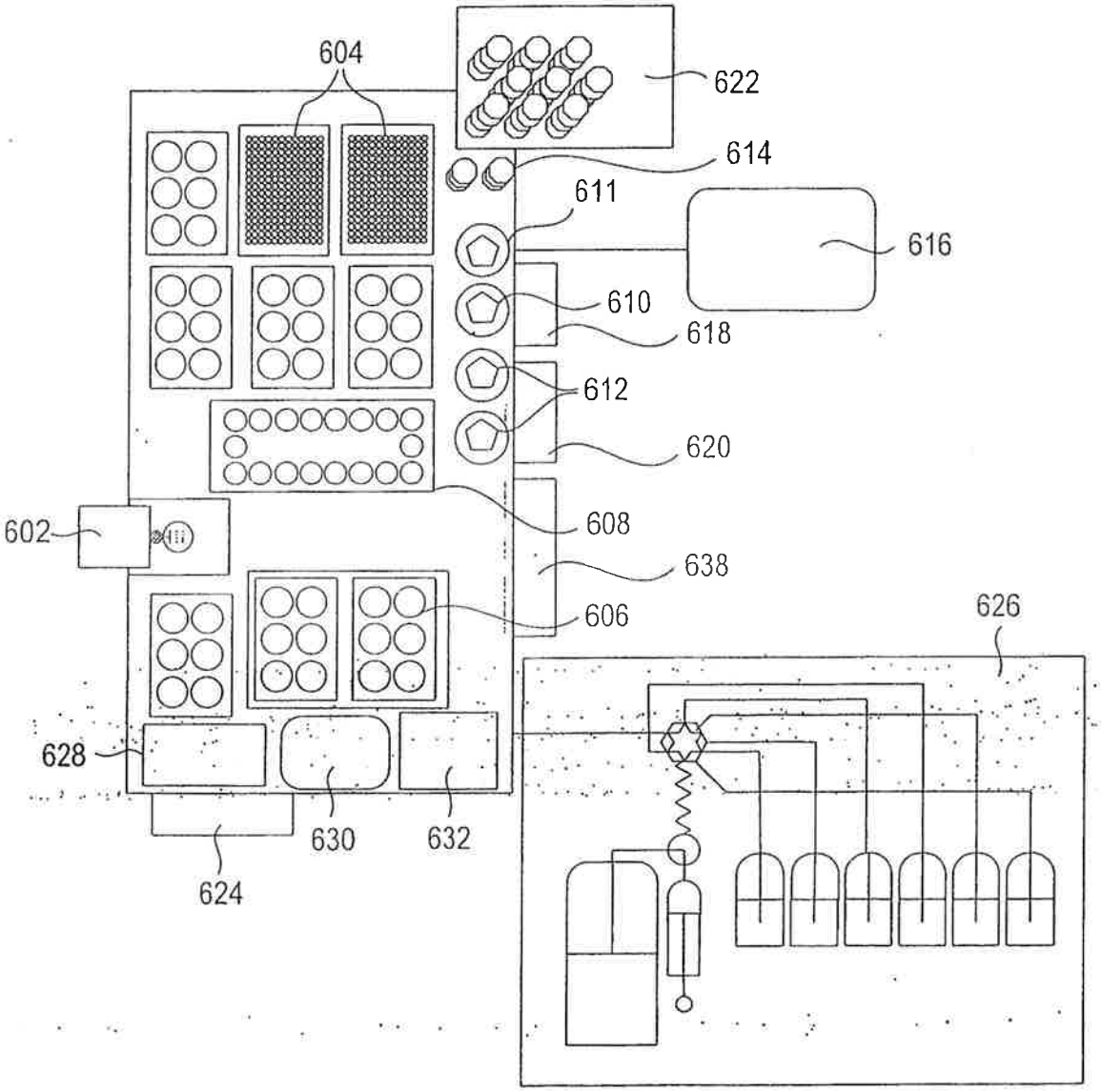

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FIG. 7

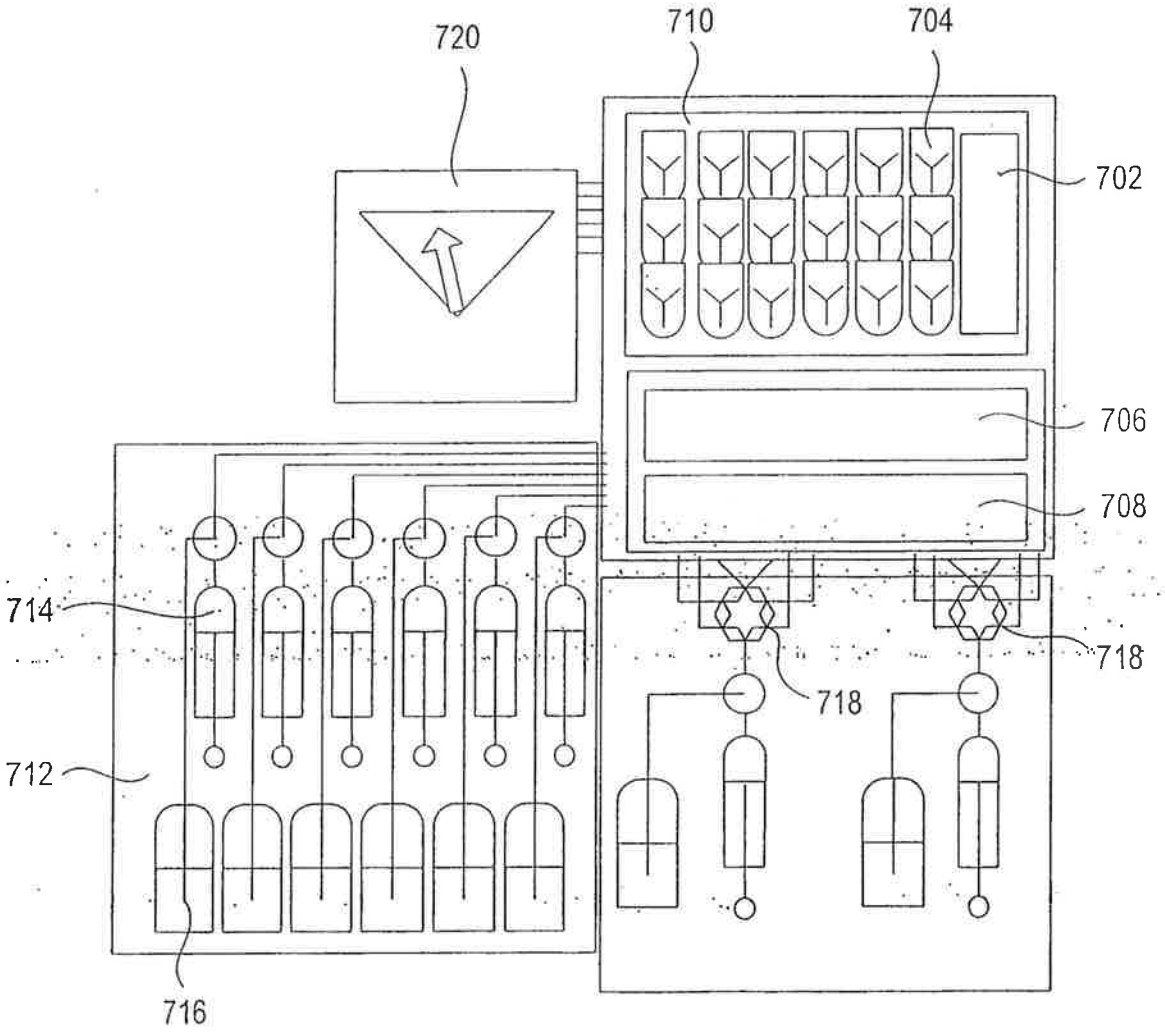


FIG. 8

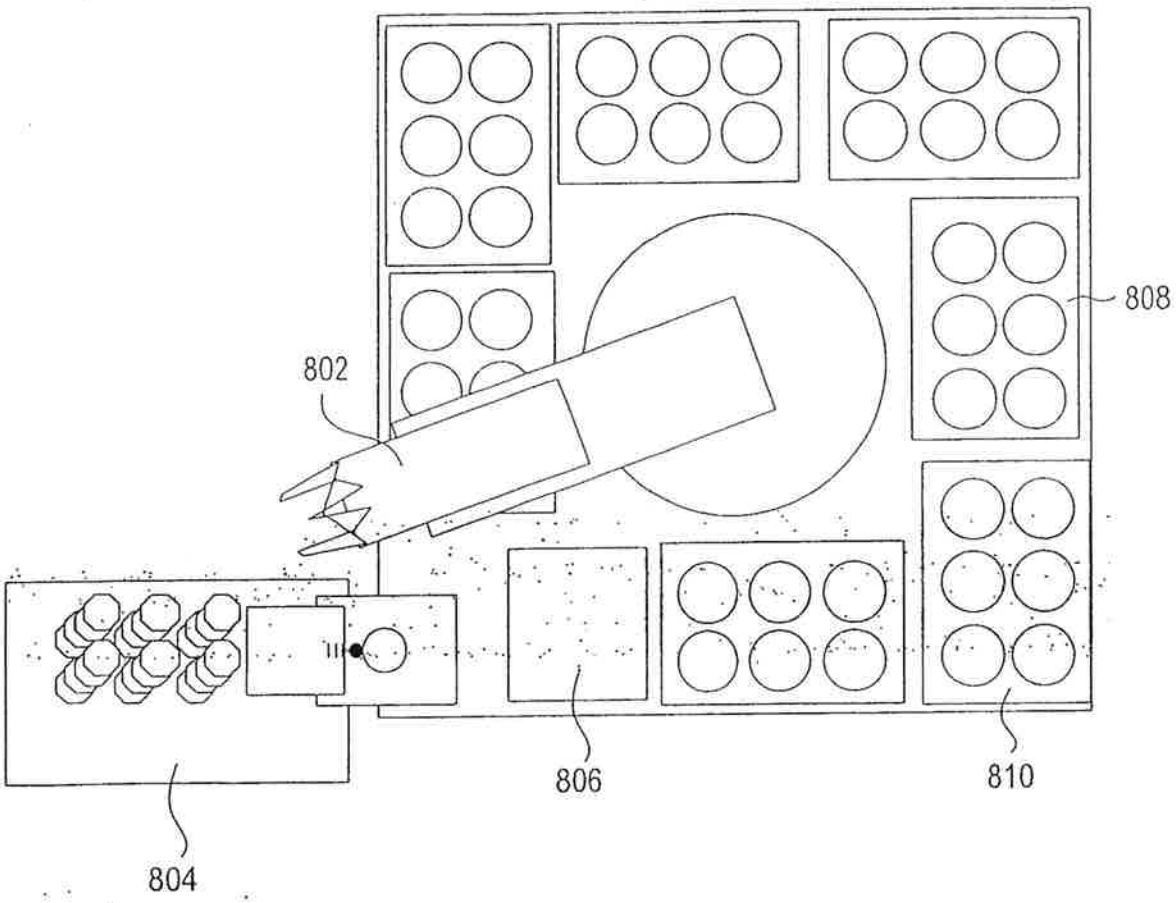


FIG. 9

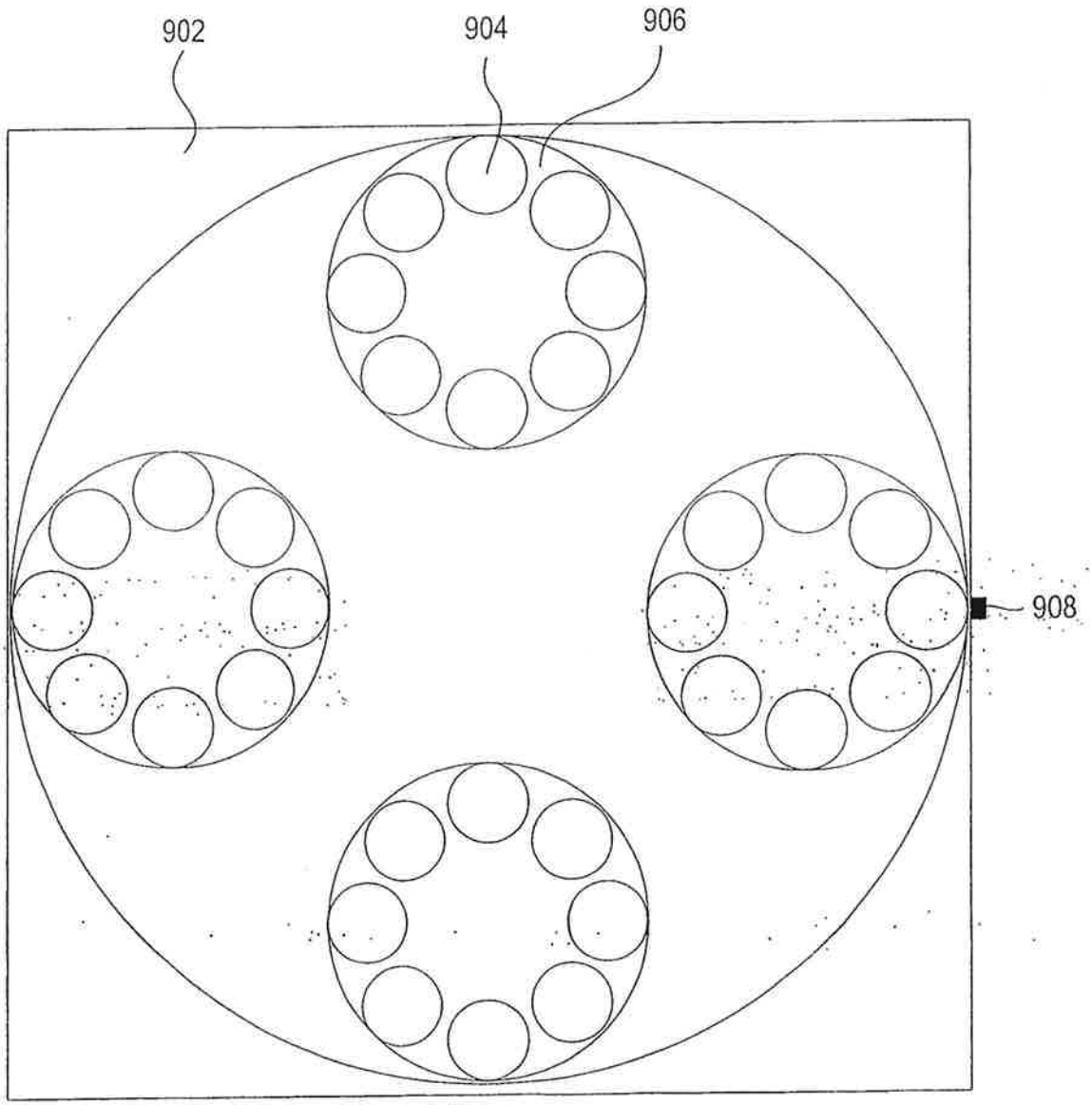


FIG. 10

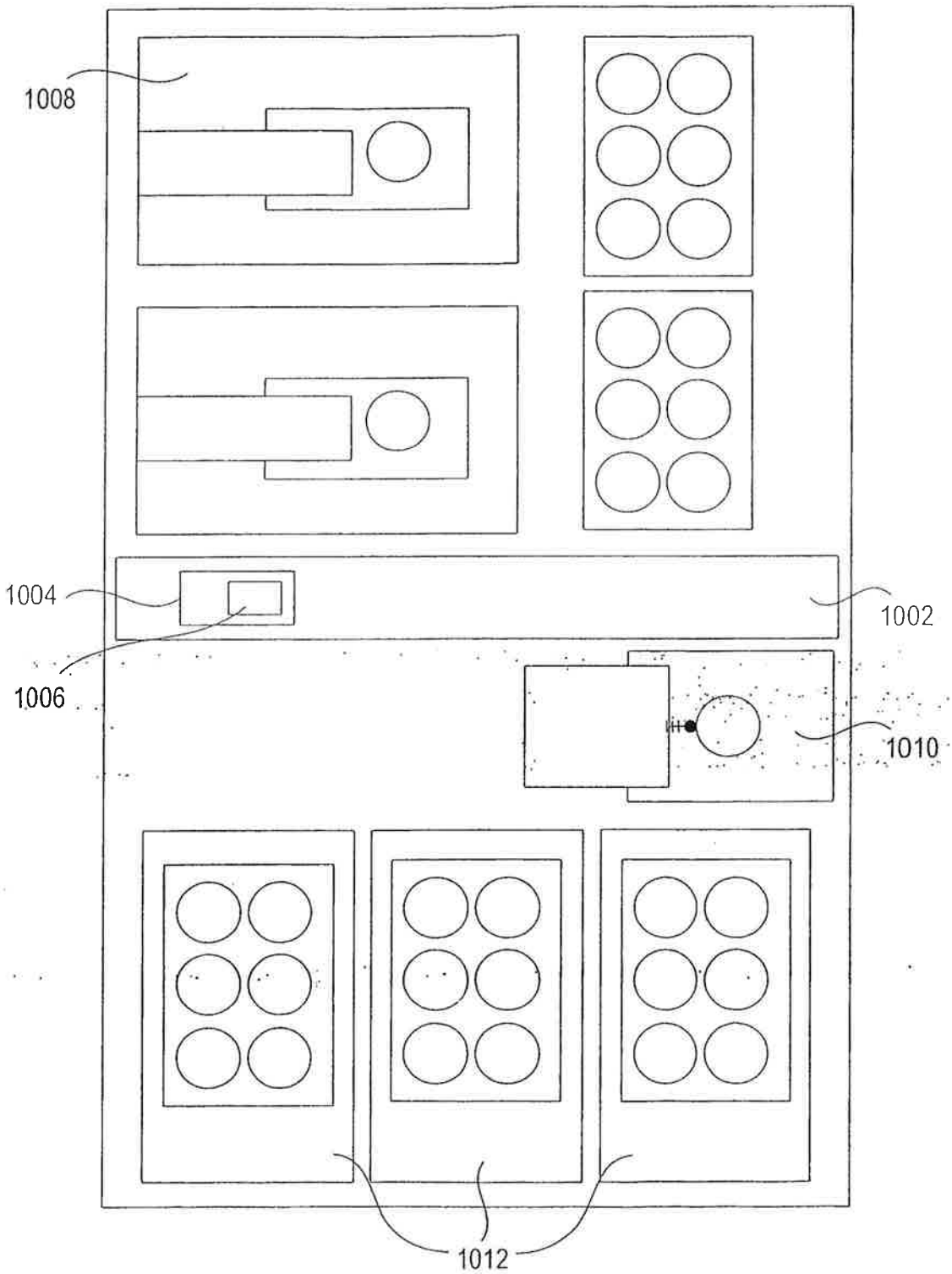


FIG. 11

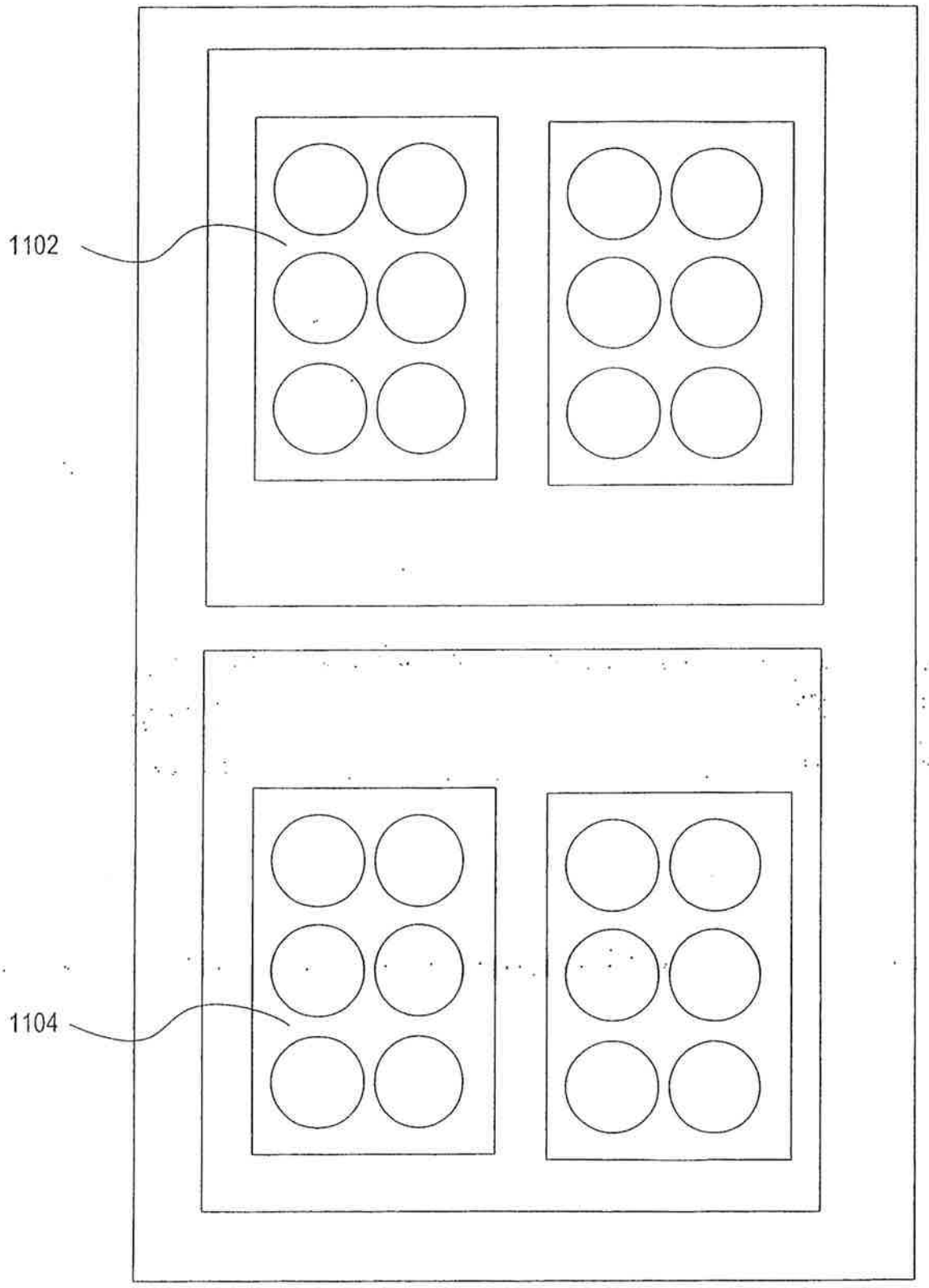


FIG. 12

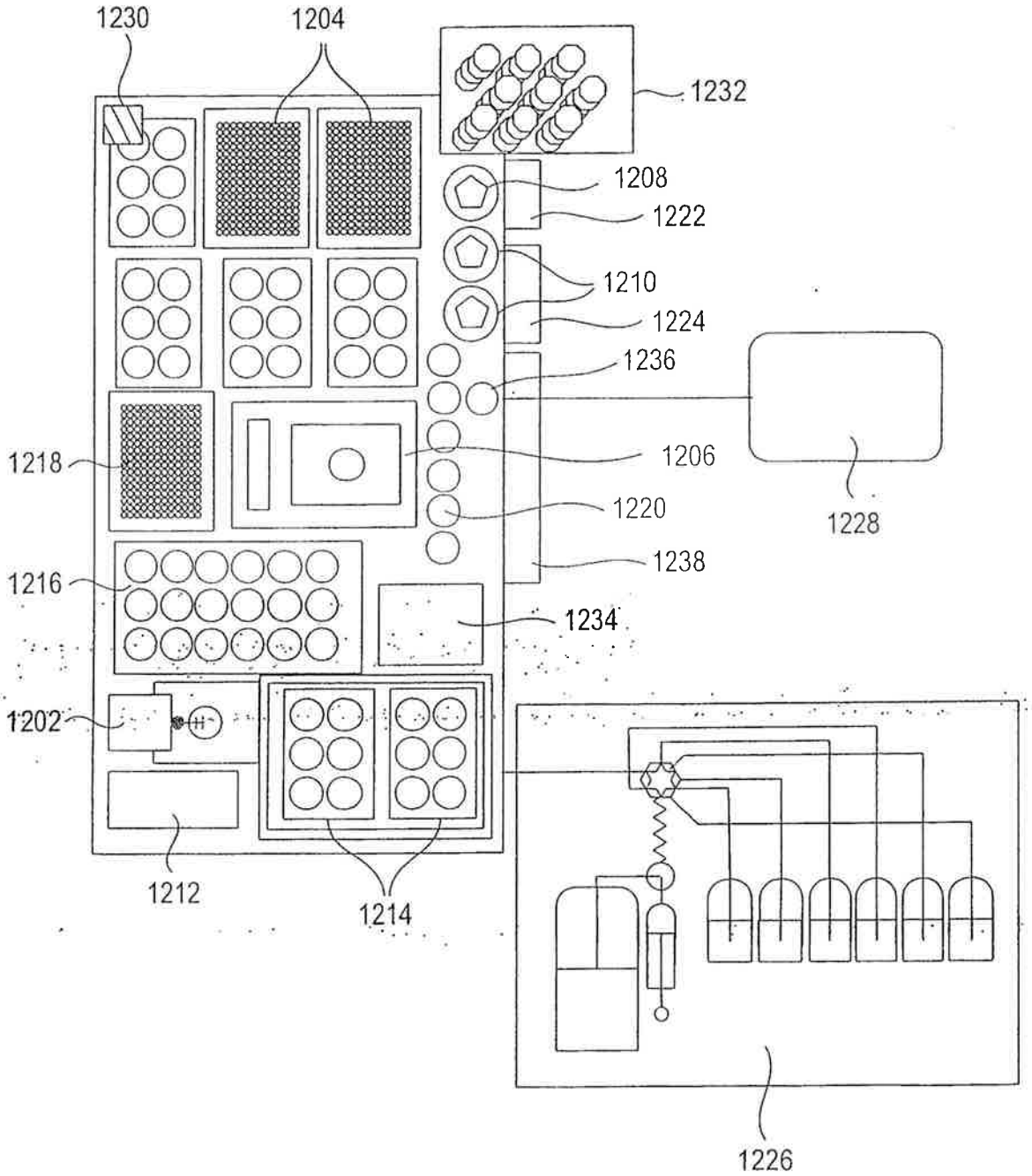

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FIG. 13

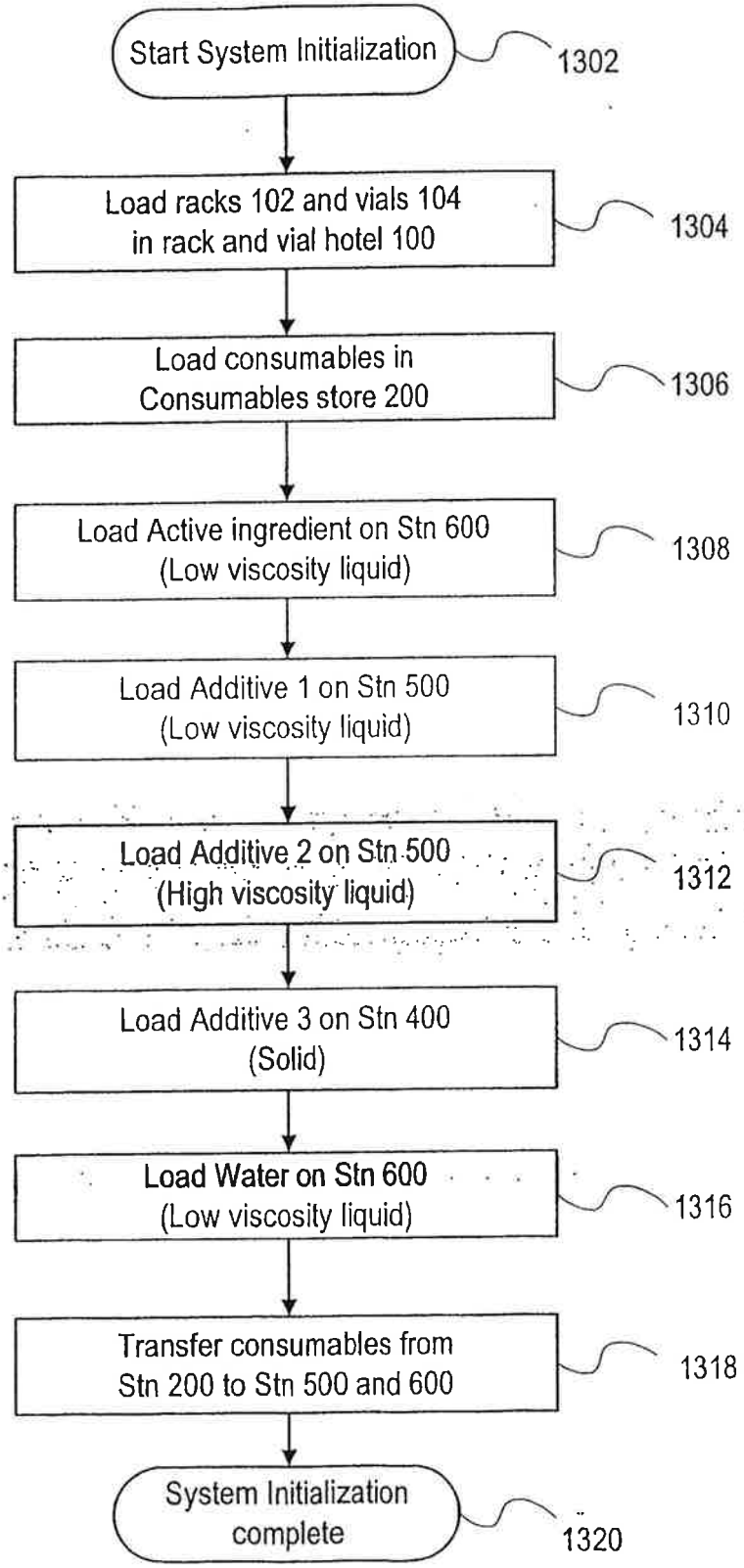

Start System Initialization
1302
Load racks 102 and vials 104 in rack and vial hotel 100
1304
Load consumables in Consumables store 200
1306
Load Active ingredient on Stn 600 (Low viscosity liquid)
1308
Load Additive 1 on Stn 500 (Low viscosity liquid)
1310
Load Additive 2 on Stn 500 (High viscosity liquid)
1312
Load Additive 3 on Stn 400 (Solid)
1314
Load Water on Stn 600 (Low viscosity liquid)
1316
Transfer consumables from Stn 200 to Stn 500 and 600
1318
System Initialization complete
1320

FIG. 14

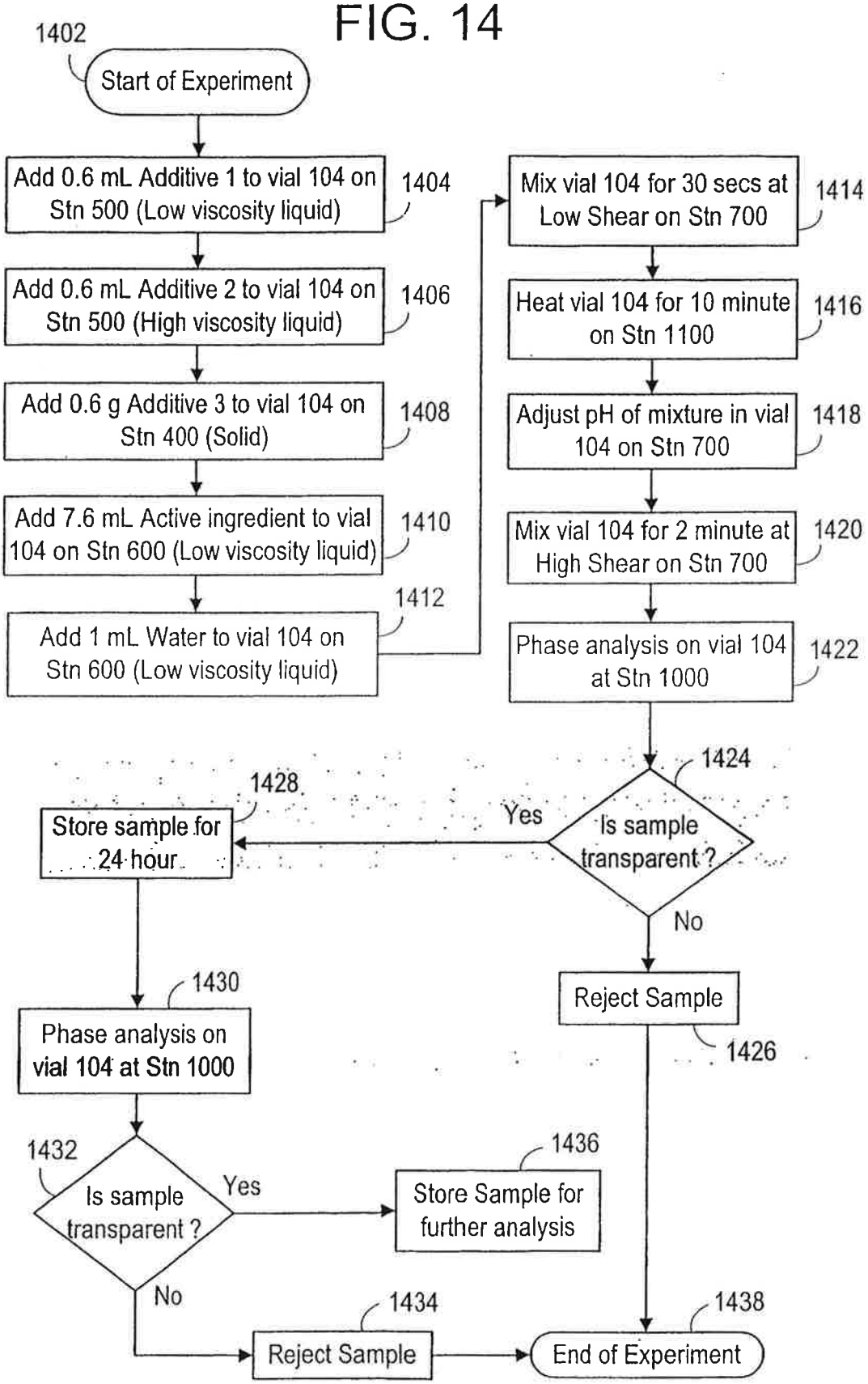

1402
Start of Experiment
Add 0.6 mL Additive 1 to vial 104 on Stn 500 (Low viscosity liquid)
1404
Add 0.6 mL Additive 2 to vial 104 on Stn 500 (High viscosity liquid)
1406
Add 0.6 g Additive 3 to vial 104 on Stn 400 (Solid)
1408
Add 7.6 mL Active ingredient to vial 104 on Stn 600 (Low viscosity liquid)
1410
Add 1 mL Water to vial 104 on Stn 600 (Low viscosity liquid)
1412
Mix vial 104 for 30 secs at Low Shear on Stn 700
1414
Heat vial 104 for 10 minute on Stn 1100
1416
Adjust pH of mixture in vial 104 on Stn 700
1418
Mix vial 104 for 2 minute at High Shear on Stn 700
1420
Phase analysis on vial 104 at Stn 1000
1422
1424
Is sample transparent ?
Yes
No
1428
Store sample for 24 hour
Reject Sample
1426
1430
Phase analysis on vial 104 at Stn 1000
1432
Is sample transparent ?
Yes
1436
Store Sample for further analysis
No
1434
Reject Sample
1438
End of Experiment

FIG. 15

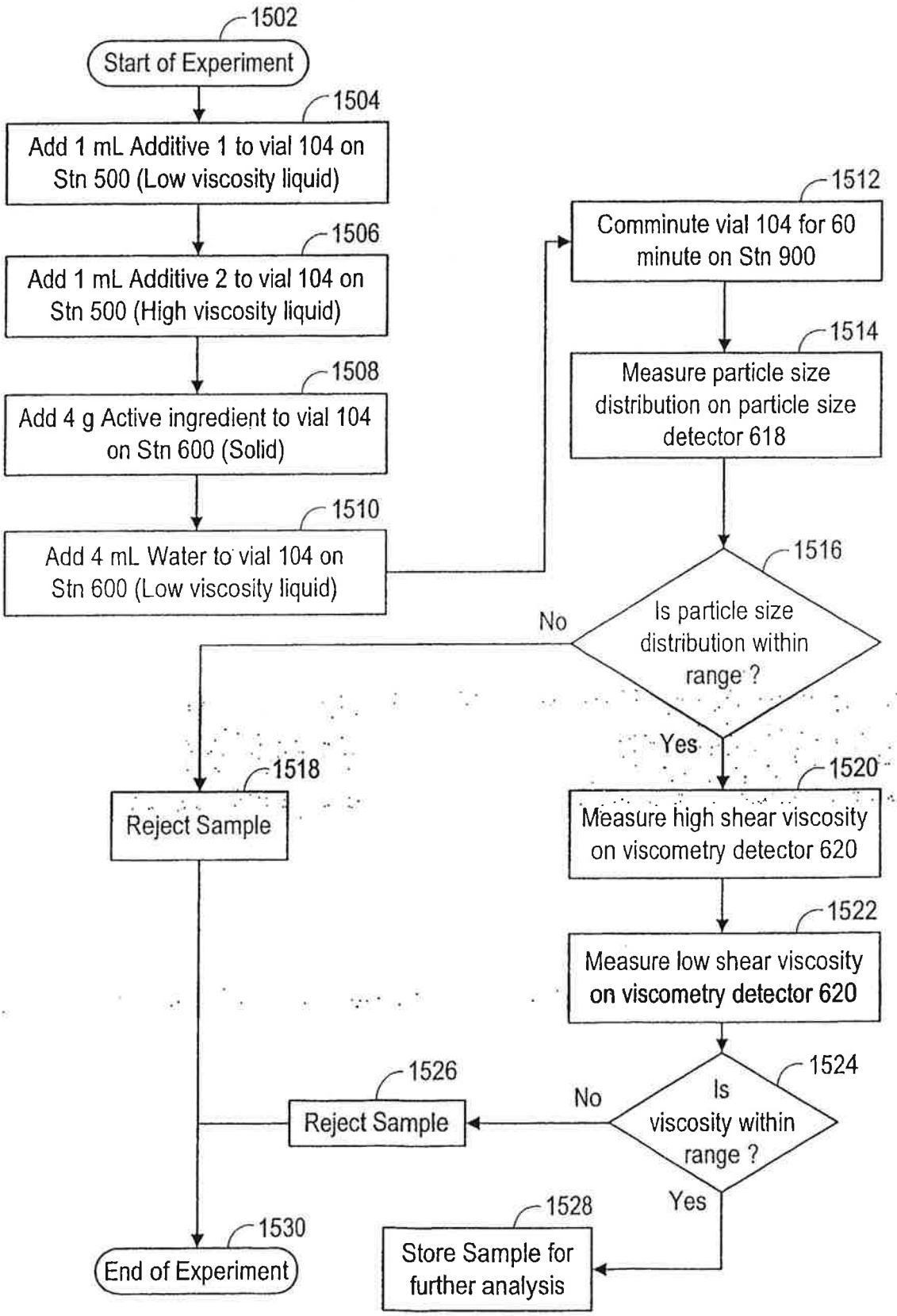

1502
Start of Experiment
1504
Add 1 mL Additive 1 to vial 104 on Stn 500 (Low viscosity liquid)
1506
Add 1 mL Additive 2 to vial 104 on Stn 500 (High viscosity liquid)
1508
Add 4 g Active ingredient to vial 104 on Stn 600 (Solid)
1510
Add 4 mL Water to vial 104 on Stn 600 (Low viscosity liquid)
1512
Comminute vial 104 for 60 minute on Stn 900
1514
Measure particle size distribution on particle size detector 618
1516
Is particle size distribution within range ?
No
Yes
1518
Reject Sample
1520
Measure high shear viscosity on viscometry detector 620
1522
Measure low shear viscosity on viscometry detector 620
1524
Is viscosity within range ?
No
Yes
1526
Reject Sample
1528
Store Sample for further analysis
1530
End of Experiment

FIG. 16

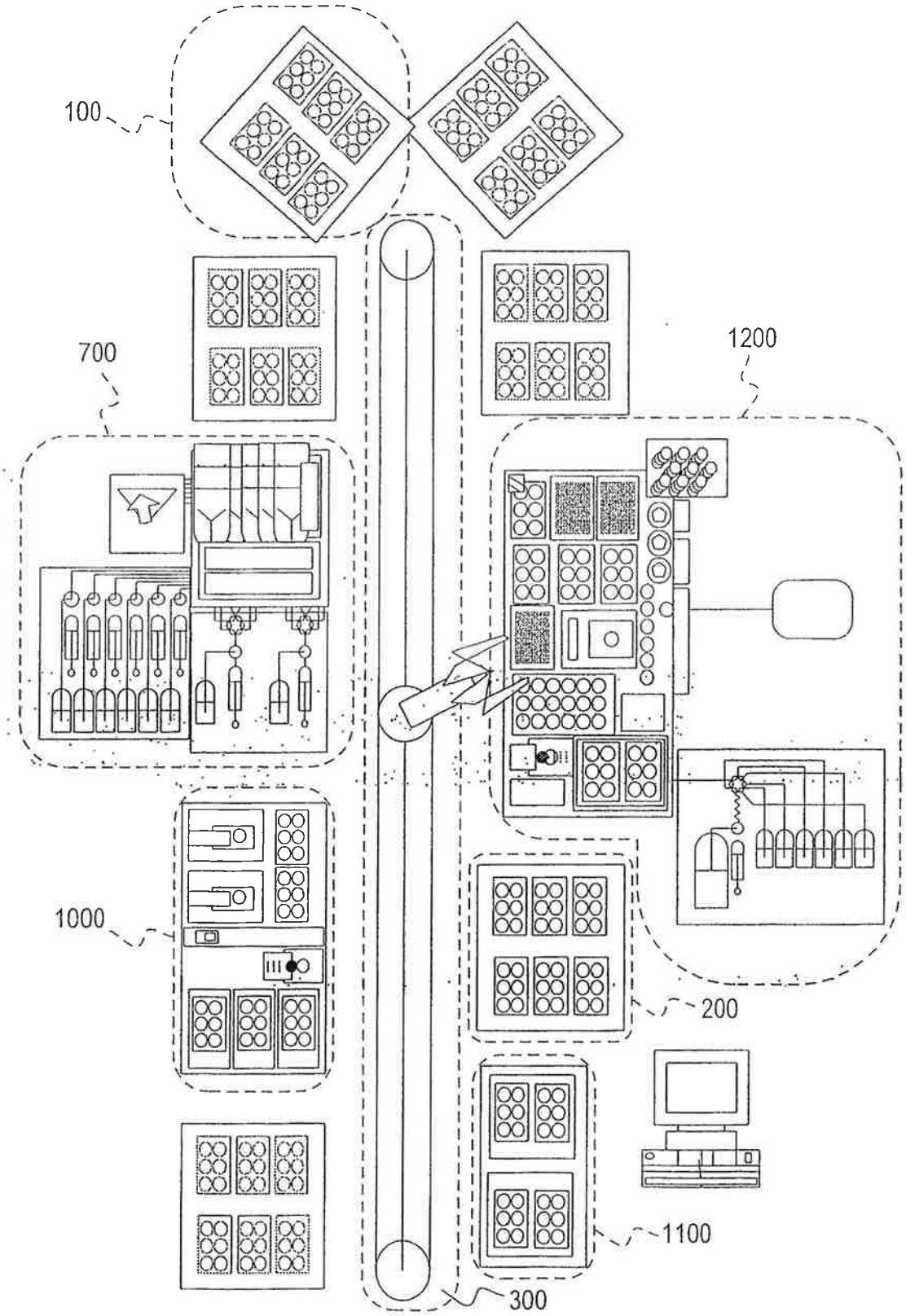


FIG. 17

