

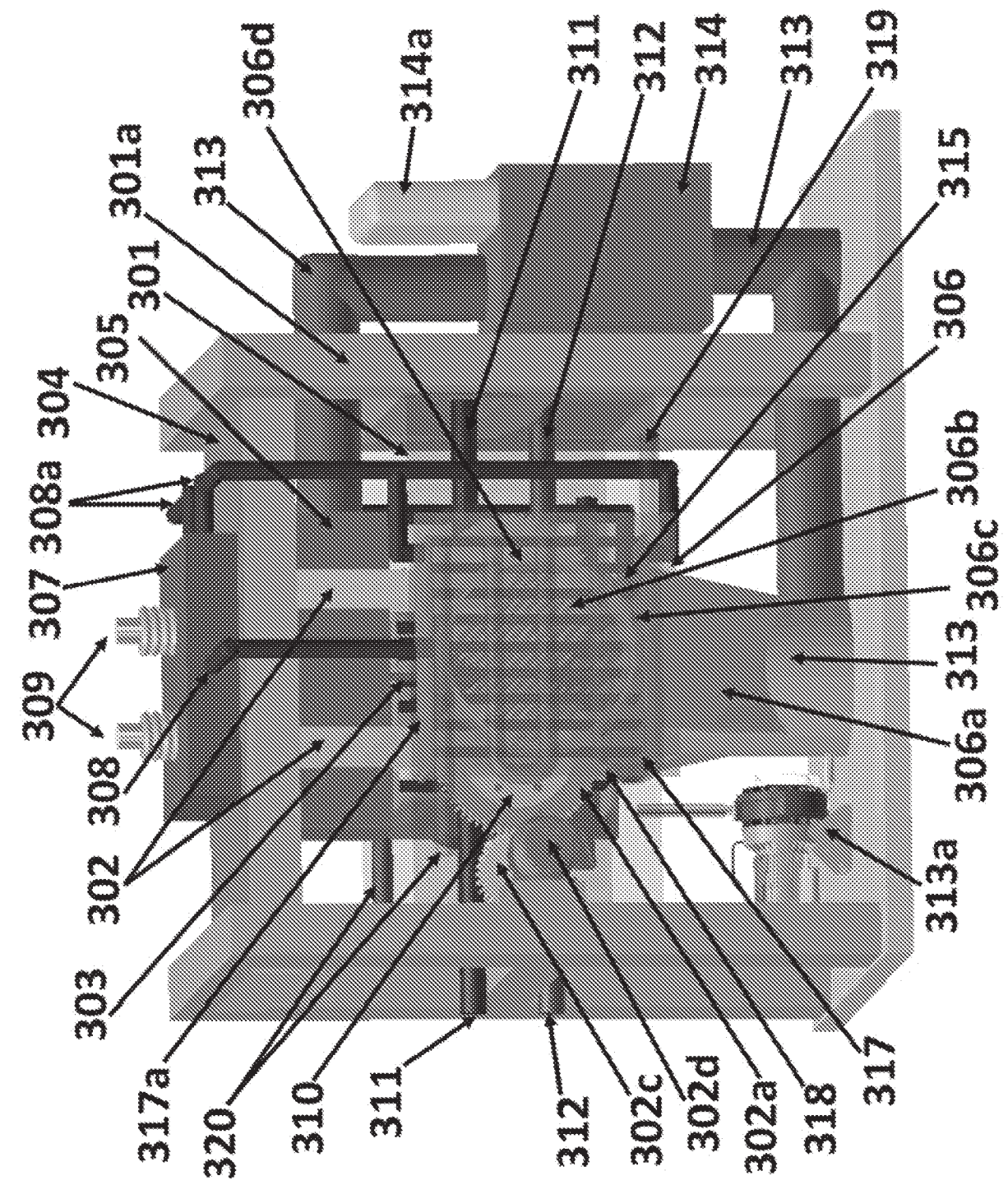


Fig. 1





Fig. 2C

1. Structural Support
2. Source of Electrical Power
3. Output Power Controller/Conditioner
4. Bearing Support for Roller Shaft
5. Trough
6. Output Power Terminal
7. Roller Shaft
8. Roller Electrode
9. Negative Electrode Bus Bar
10. Positive Electrode Bus Bar
11. Water Reservoir
12. Roller Motor 1
13. Roller Motor 2
14. Parabolic Mirror
15. Photovoltaic Panel
16. Jet Water Line
17. Water Ejection Pump
18. Water Sucking Pump
19. Water Sucking Line
20. Window
21. Rinsing Line with Jets
22. Mirror Fastener
23. Semi-Transparent Mirror
24. Scraper and Collection Area
26. Cell
- 26a. Optical Distribution and Photovoltaic Conversion System
- 26b. PV Bus Bar

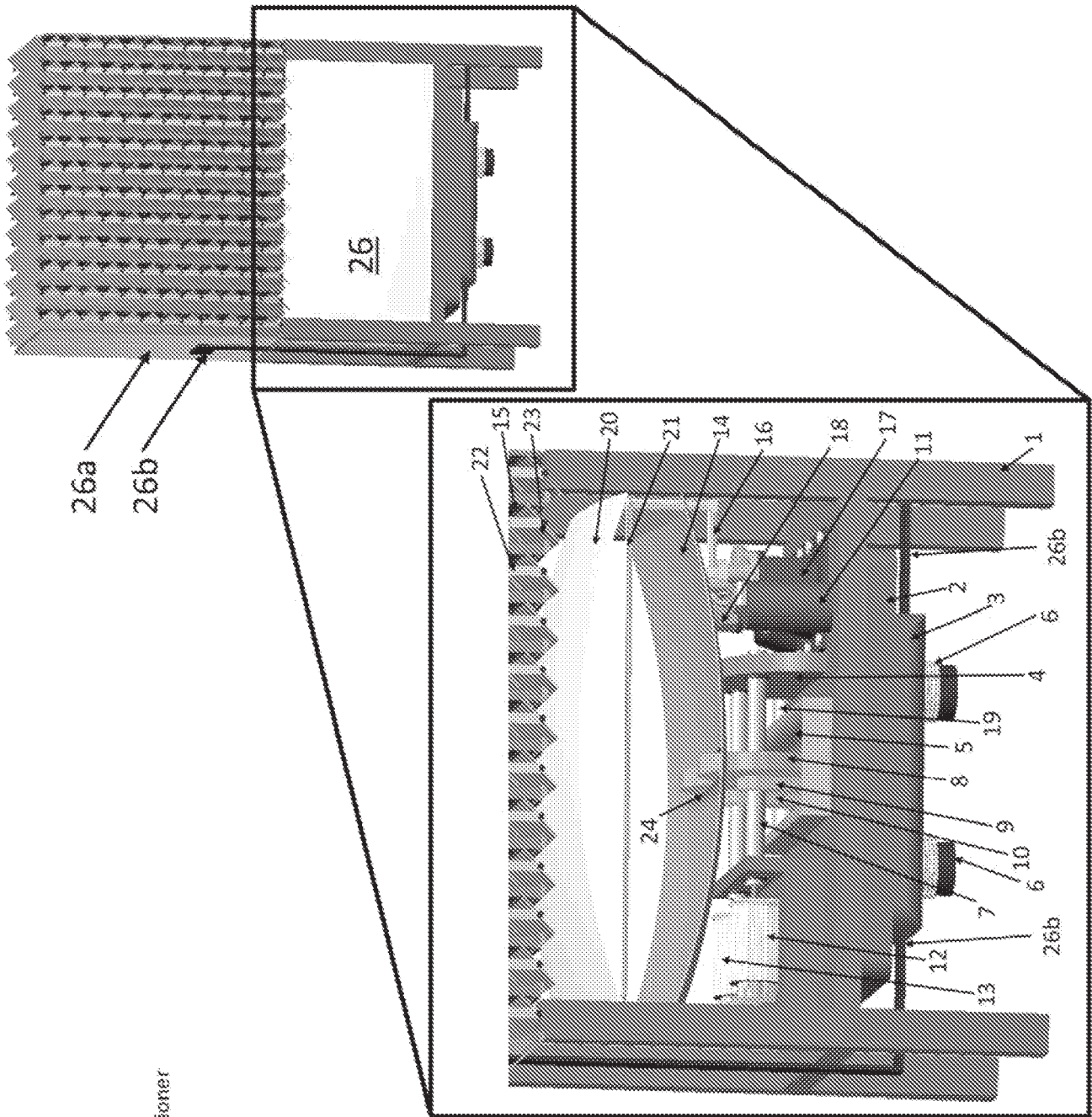


Fig. 2C1

1. Structural Support
2. Source of Electrical Power
3. Output Power Controller/Conditioner
4. Bearing Support for Roller Shaft
5. Trough
6. Output Power Terminal
7. Roller Shaft
8. Roller Electrode
9. Negative Electrode Bus Bar
10. Positive Electrode Bus Bar
11. Water Reservoir
12. Roller Motor 1
13. Roller Motor 2
14. Parabolic Mirror
15. Photovoltaic Panel
16. Jet Water Line
17. Water Ejection Pump
18. Water Sucking Pump
19. Water Sucking Line
20. Window
21. Rinsing Line with Jets
22. Mirror Fastener
23. Semi-Transparent Mirror
24. Scraper and Collection Area
26. Cell
- 26a. Optical Distribution and Photovoltaic Conversion System
- 26b. PV Bus Bar
27. Battery
28. Starter Circuit
29. Argon Supply
30. Argon Distribution
31. Cooling System
32. DC Power Supply
33. DC Regenerator
34. DC Power Storage
35. DC/AC Power Inverter
36. VFD Drive
37. Gas Pump
38. Gas Pump Return Line

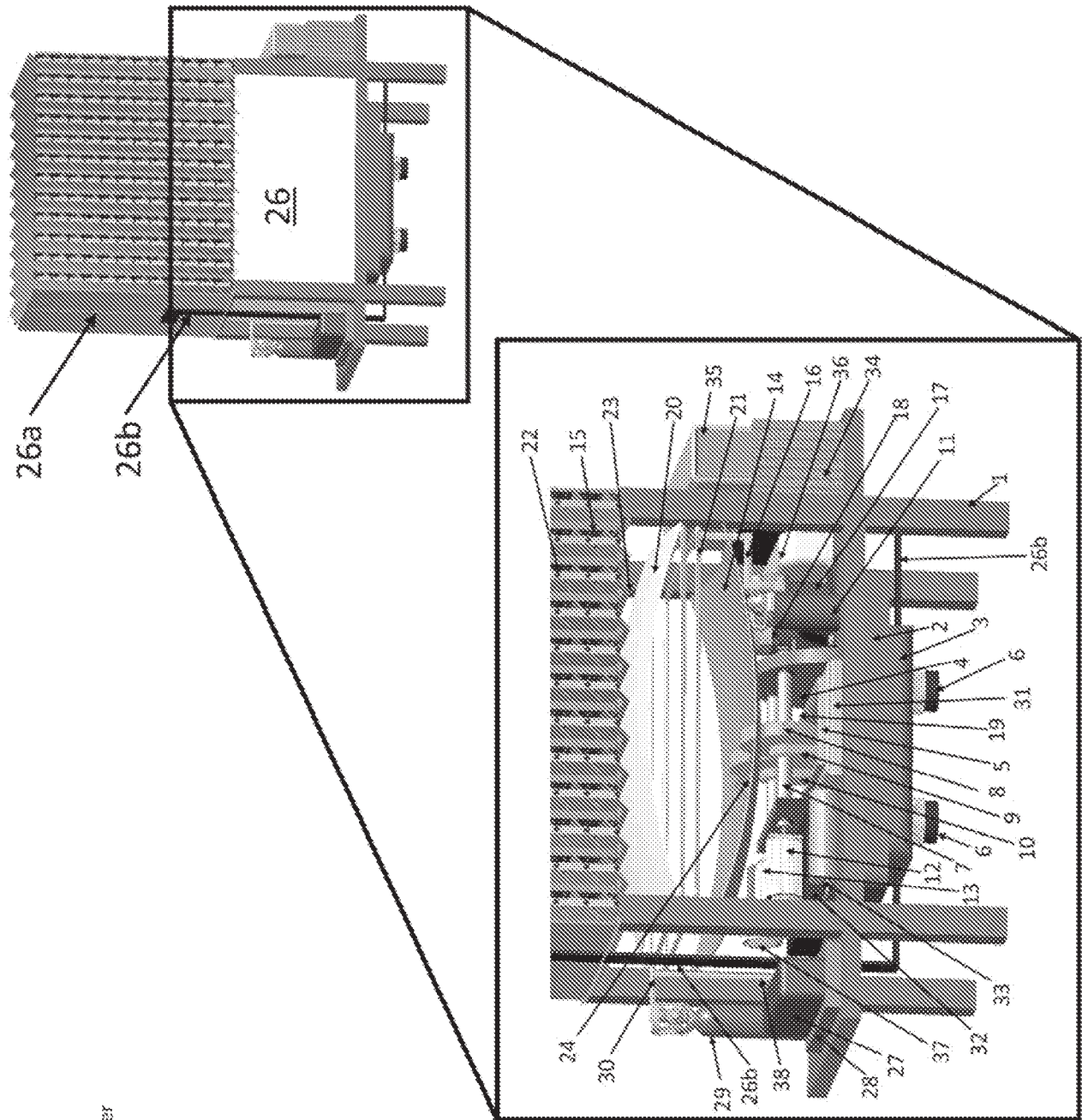


Fig. 2C2

1. Structural Support
2. Source of Electrical Power
3. Output Power Controller/Conditioner
4. Bearing Support for Roller Shaft
5. Trough
6. Output Power Terminal
7. Roller Shaft
8. Roller Electrode
9. Negative Electrode Bus Bar
10. Positive Electrode Bus Bar
11. Water Reservoir
12. Roller Motor 1
13. Roller Motor 2
14. Parabolic Mirror
15. Photovoltaic Panel
16. Jet Water Line
17. Water Ejection Pump
18. Water Sucking Pump
19. Water Sucking Line
20. Window
21. Rinsing Line with Jets
22. Mirror Fastener
23. Semi-Transparent Mirror
24. Scraper and Collection Area
26. Cell
- 26a. Optical Distribution and Photovoltaic Conversion System
- 26b. PV Bus Bar
27. Battery
28. Starter Circuit
29. Argon Supply
30. Argon Distribution
31. Cooling System
32. DC Power Supply
33. DC Regenerator
34. DC Power Storage
35. DC/AC Power Inverter
36. VFD Drive
37. Gas Pump
- 37a. Gas Pump Inlet
38. Gas Pump Return Line

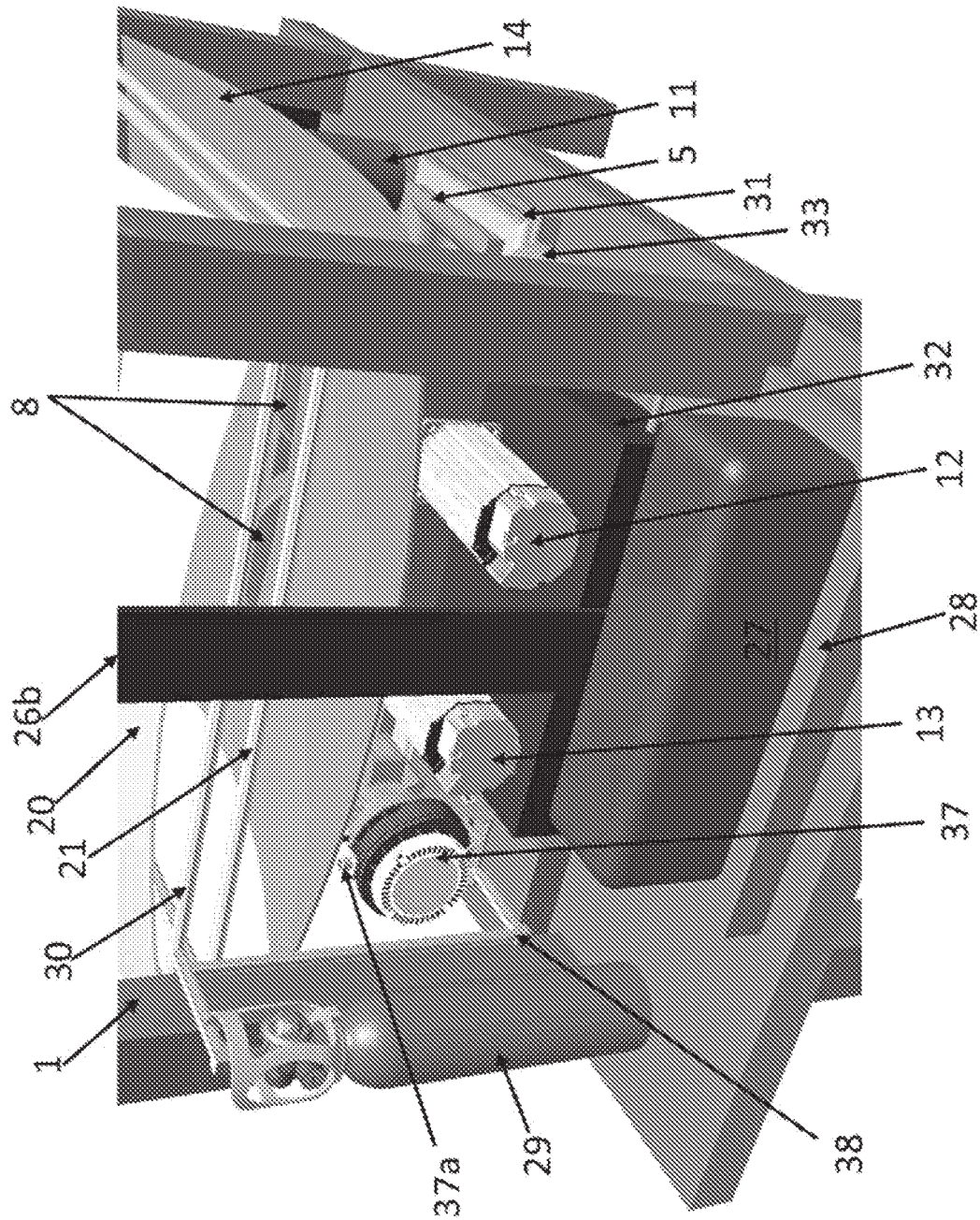


Fig. 2C3

- 20. Window
- 20a. Louver Fan
- 39. Louver Slats
- 40. Louvre Bracket
- 41. Bracket Holder
- 42. Bearing
- 43. Slat Motor
- 44. Dual Pulley
- 45. Drive Belt
- 46. Slat Belt

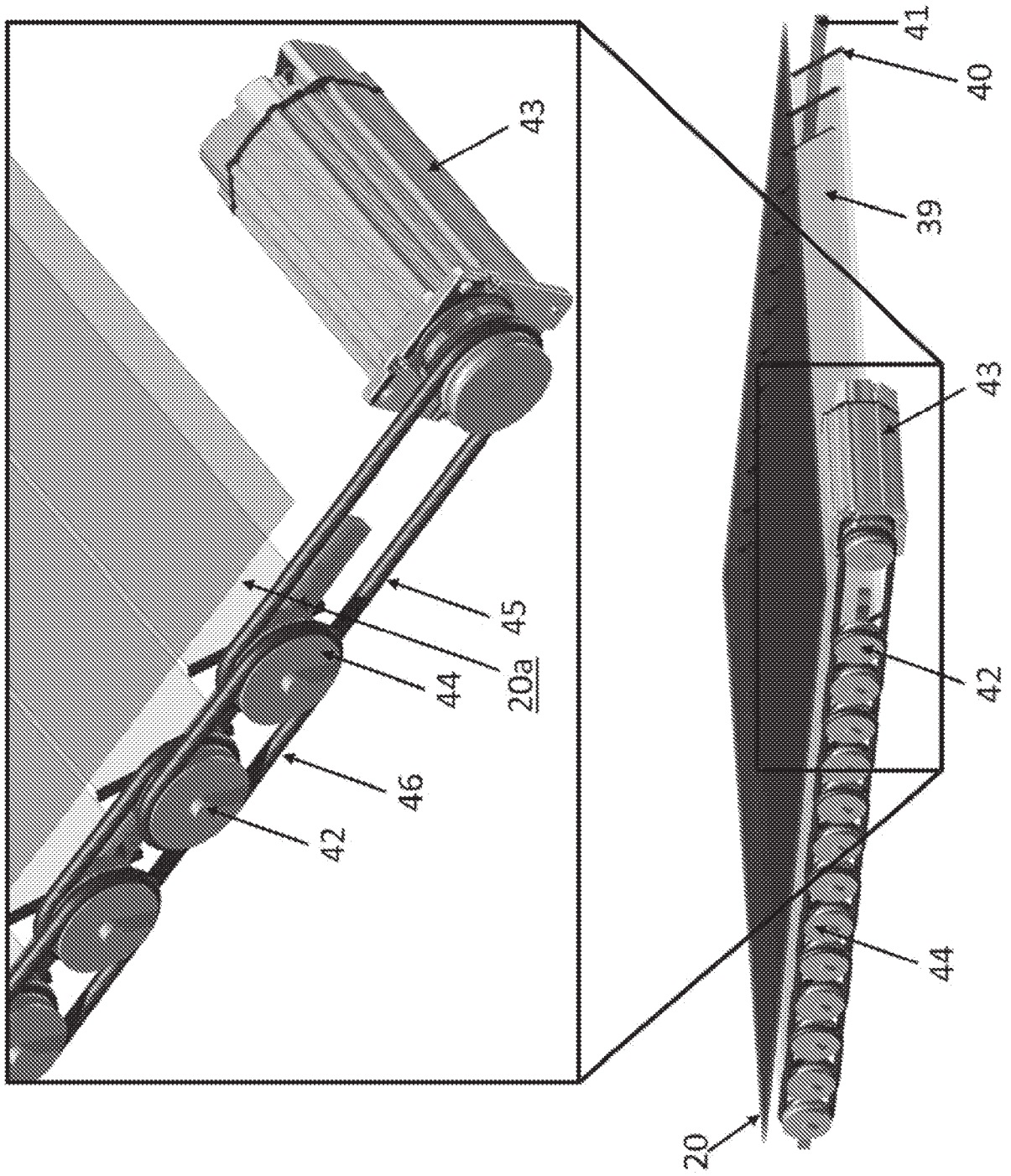


Fig. 2D

1. Structural Support
2. Source of Electrical Power
3. Output Power Controller/Conditioner
4. Bearing Support for Roller Shaft
- 4a. Bearing
5. Trough
7. Roller Shaft
12. Roller Motor 1
13. Roller Motor 2
19. Water Sucking Line
25. Chute
27. Applicator Wheel
28. Applicator Flaps
29. Applicator Shaft
30. Applicator Wheel Motor

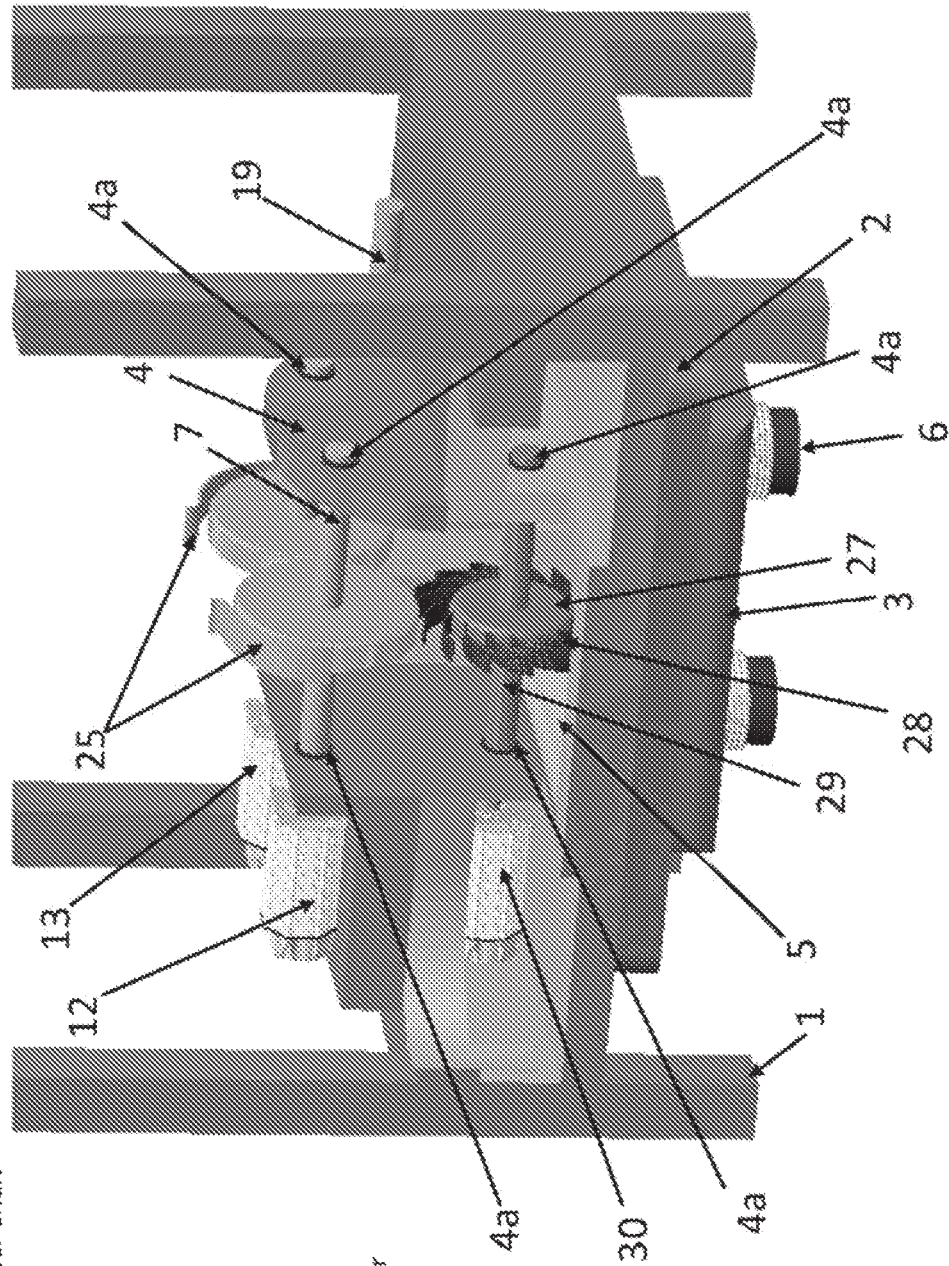


Fig. 2E

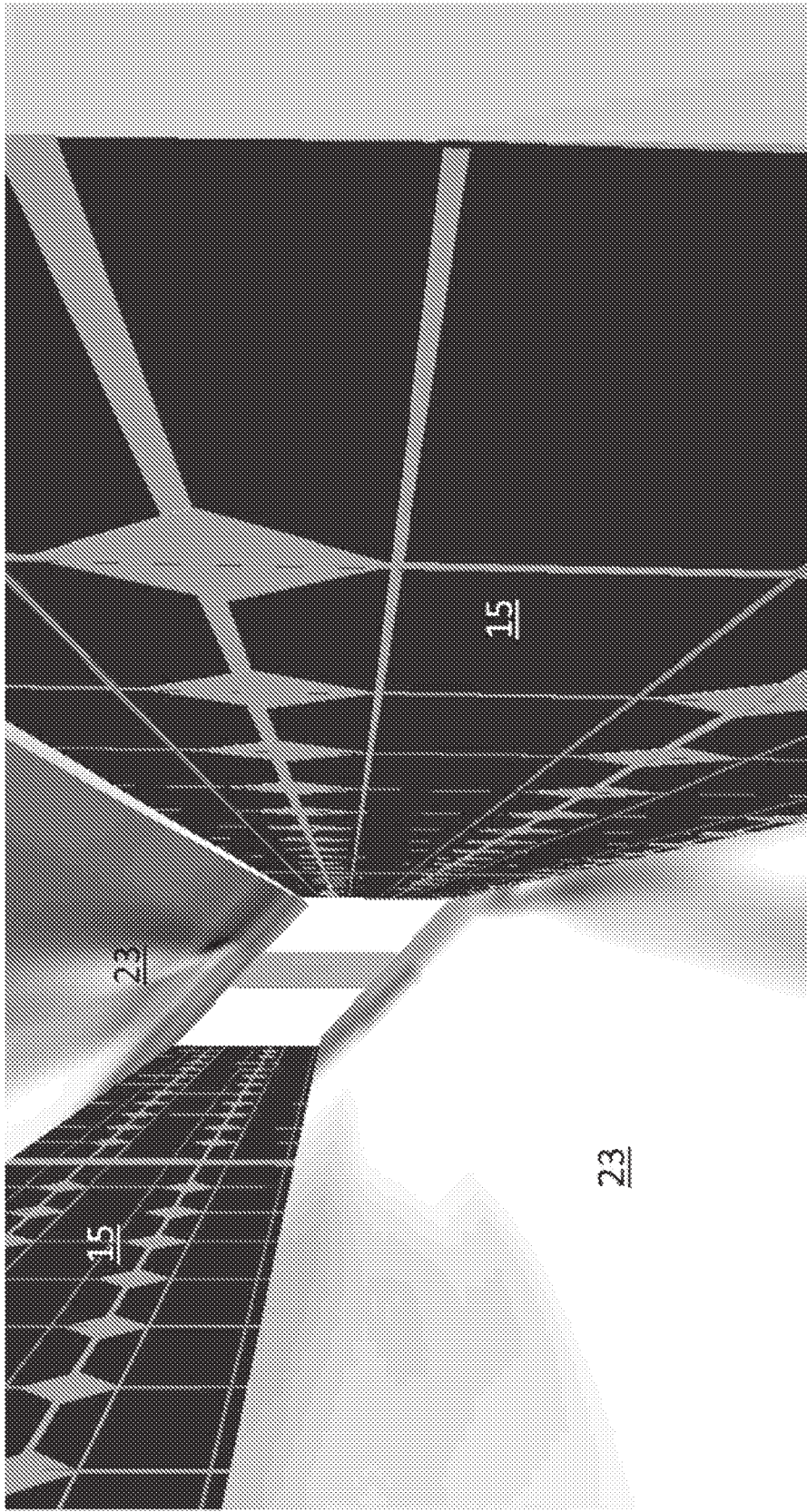


Fig. 2F

- 1. Structural Support
- 5. Trough
- 7. Roller Shaft
- 8. Roller Electrode
- 9. Negative Electrode Bus Bar
- 10. Positive Electrode Bus Bar
- 12. Roller Motor 1
- 13. Roller Motor 2
- 40. Tilted Mirror
- 41. Plane Mirror

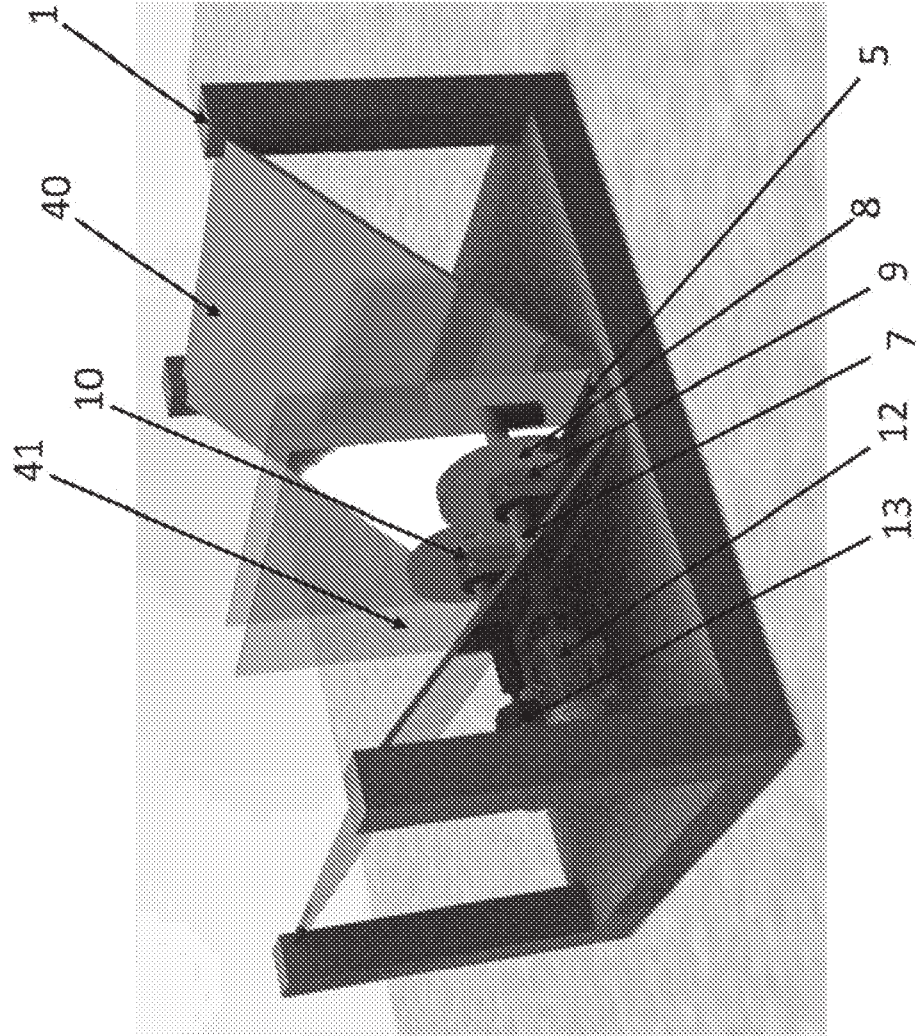


Fig. 2G

1. Structural Support
4. Bearing Support for Roller Shaft
7. Roller Shaft
8. Roller Electrode
11. Water Reservoir
12. Roller Motor 1
13. Roller Motor 2
14. Parabolic Mirror
16. Jet Water Line
17. Water Ejection Pump
18. Water Sucking Pump
19. Water Sucking Line
- 20b. Electrode Housing
21. Rinsing Line with Jets

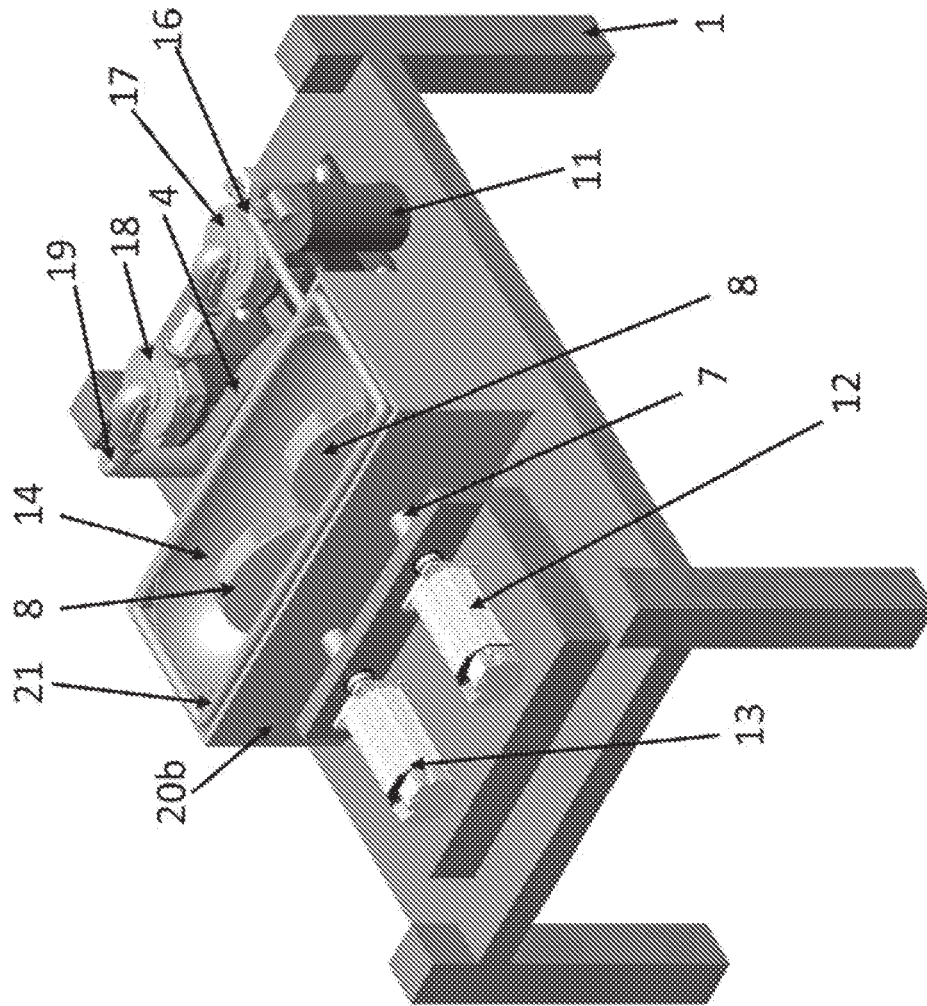




Fig. 2G1a

- 14. Parabolic Mirror
- 21. Rinsing Line with Jets
- 53. Gas Distribution Duct
- 53a. Duct Blower
- 64. Gas Collection Duct

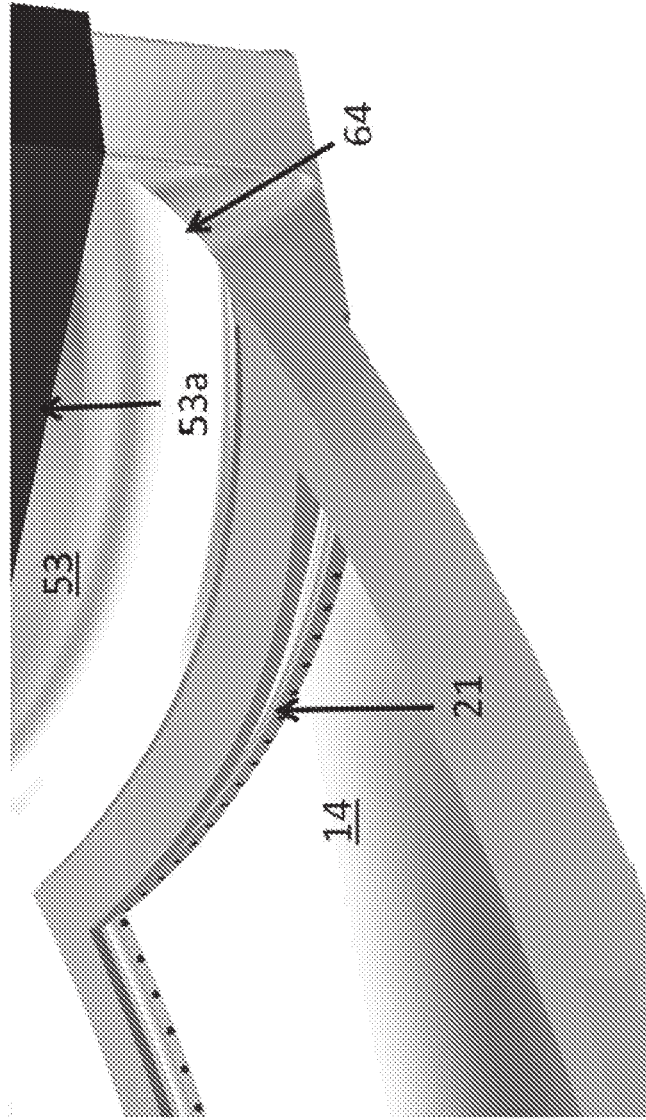


Fig. 2G1b

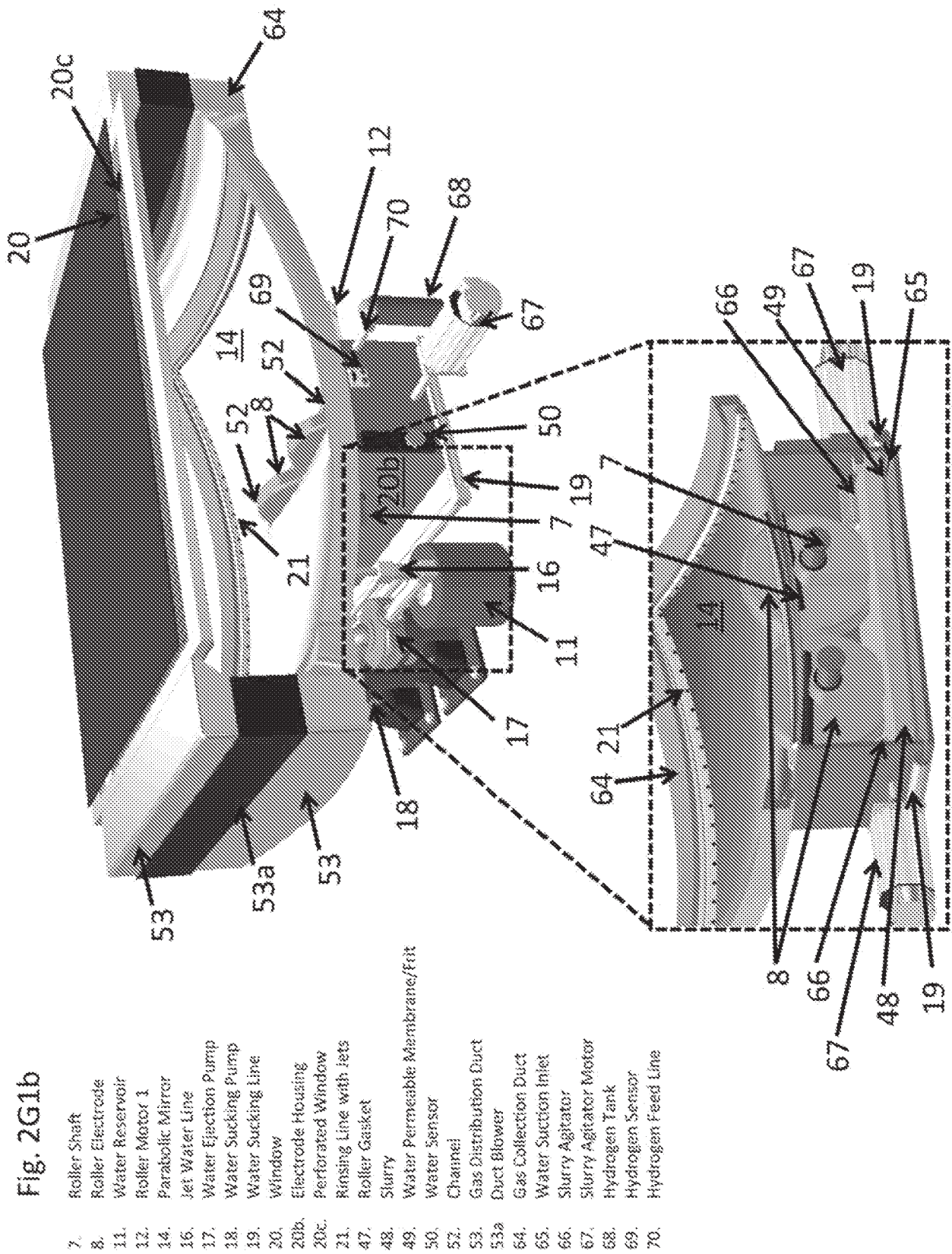


Fig. 2G1c

- 53. Duct
- 53a. Duct Blower
- 64. Gas Collection Duct
- 64a. Blower Inlet
- 64b. Blower Outlet
- 64c. Duct Inlet
- 64d. Duct Outlet
- 65. Plenum

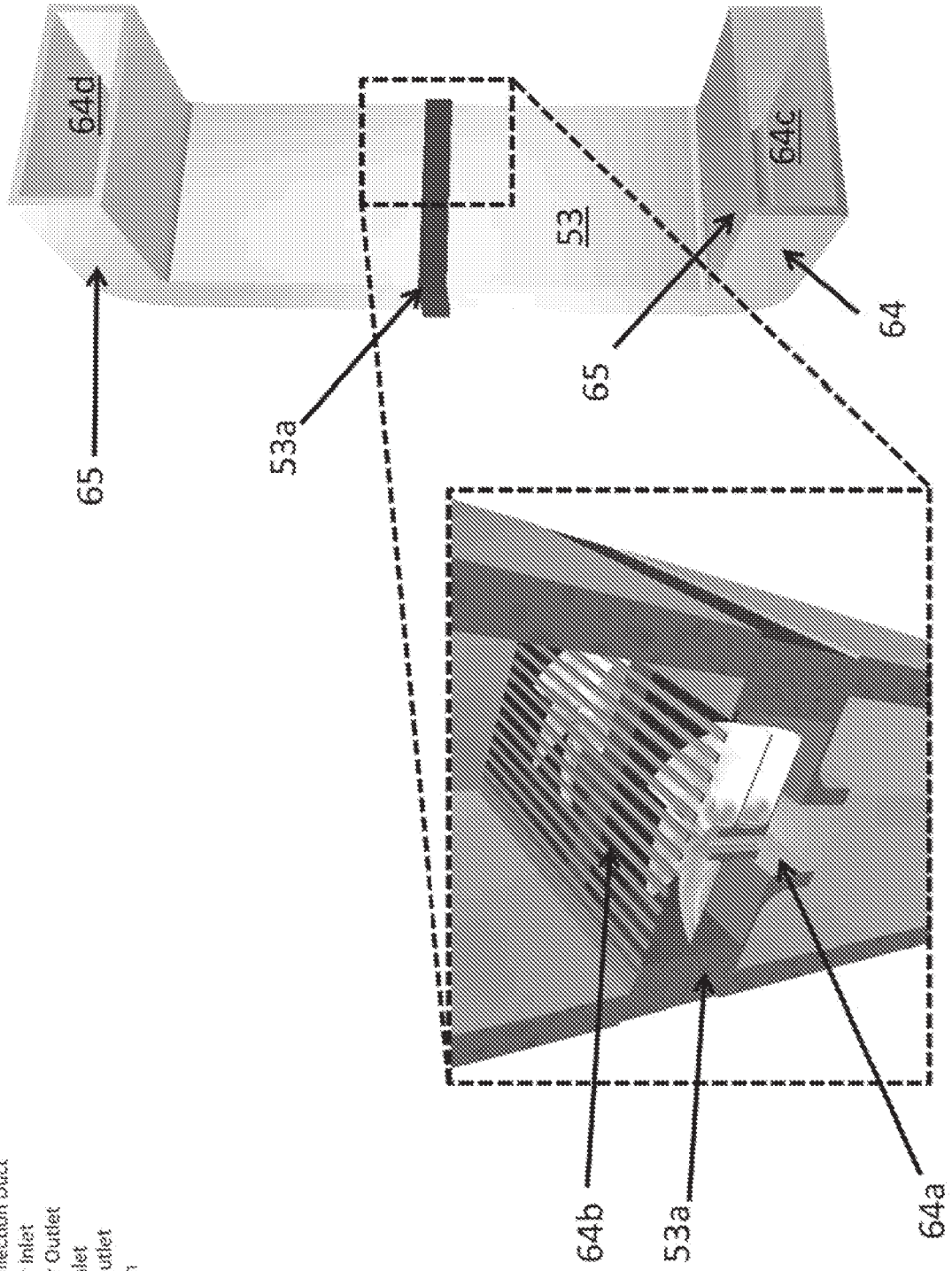




Fig. 2G1d1

2. Source of Electrical Power
5. Trough
7. Roller Shaft
8. Roller Electrode
9. Pivoting Bus Bar
12. Roller Motor 1
13. Roller Motor 2
17. Water Ejection Pump
18. Water Sucking Pump
19. Water Sucking Line
- 20b. Electrode Housing
- 20d. External Housing Walls
- 20e. Chamber
48. Slurry
49. Water Permeable Membrane/Frit
57. Tension Spring
- 57a. Spring Mount
59. Drive Shaft Gasket
66. Slurry Agitator
67. Slurry Agitator Motor
71. Bottom Indirect Drive Pulley
- 71a. Top Indirect Drive Pulley
72. Shaft Drive Belt
73. Drive Shaft Bearing
- 73a. Plane Bearing
74. Drive Shaft
75. Wire Connector

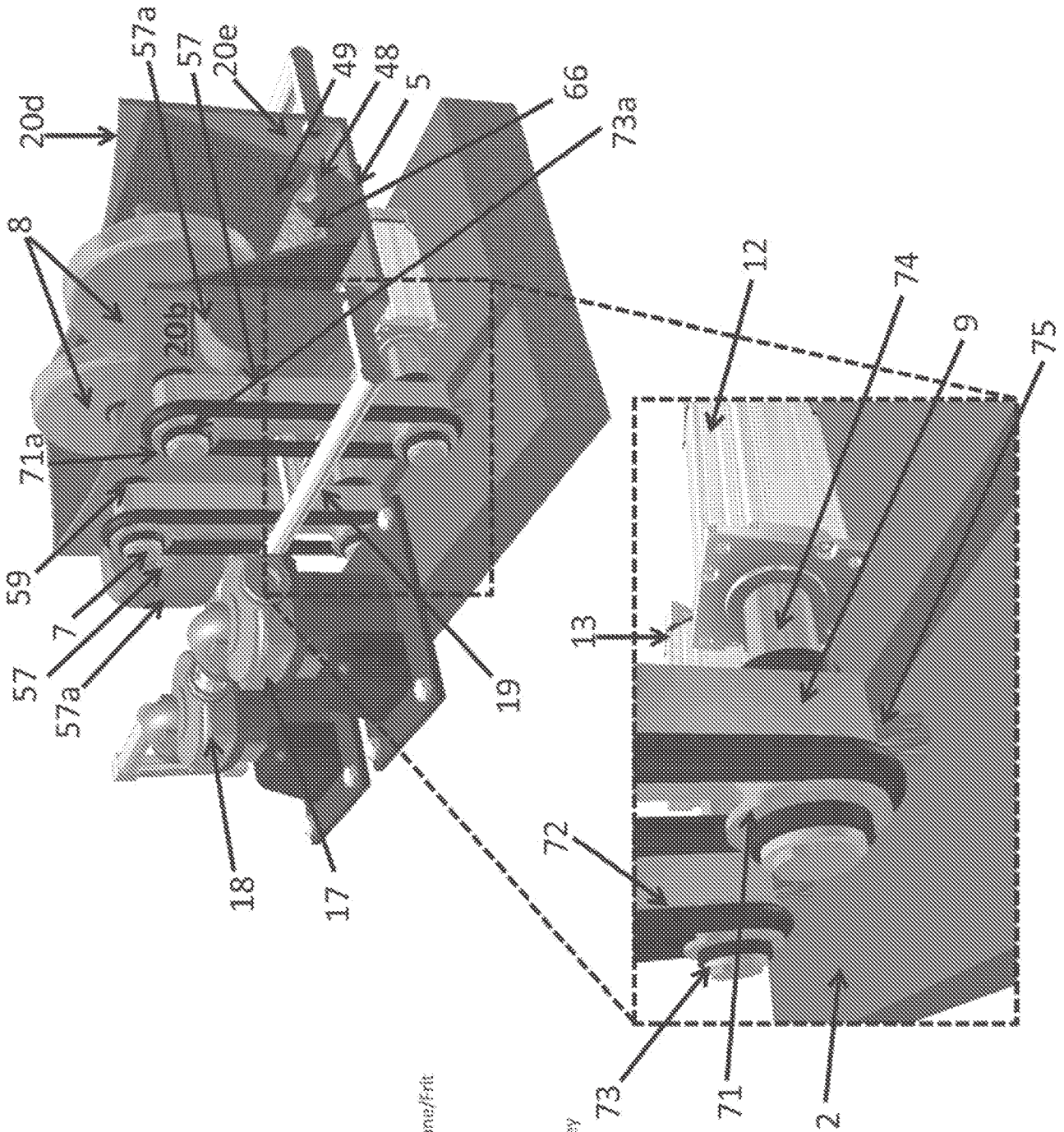


Fig. 2G1e

- 4. Bearing Support for Roller Shaft
- 5. Slurry Trough
- 7. Roller Shaft
- 8. Roller Electrode
- 12. Roller Motor 1
- 13. Roller Motor 2
- 20b. Electrode Housing
- 54. Piezoelectric Actuator 1
- 55. Piezoelectric Actuator 2
- 56. Piezoelectric Actuator Mount
- 57. Tension Spring
- 57a. Tension Spring Mount
- 58. Electrode Housing Bracket
- 59. Flexible Gasket
- 60. Slide Track
- 61. Base Support
- 62. Movable Table
- 63. Motor Mounts

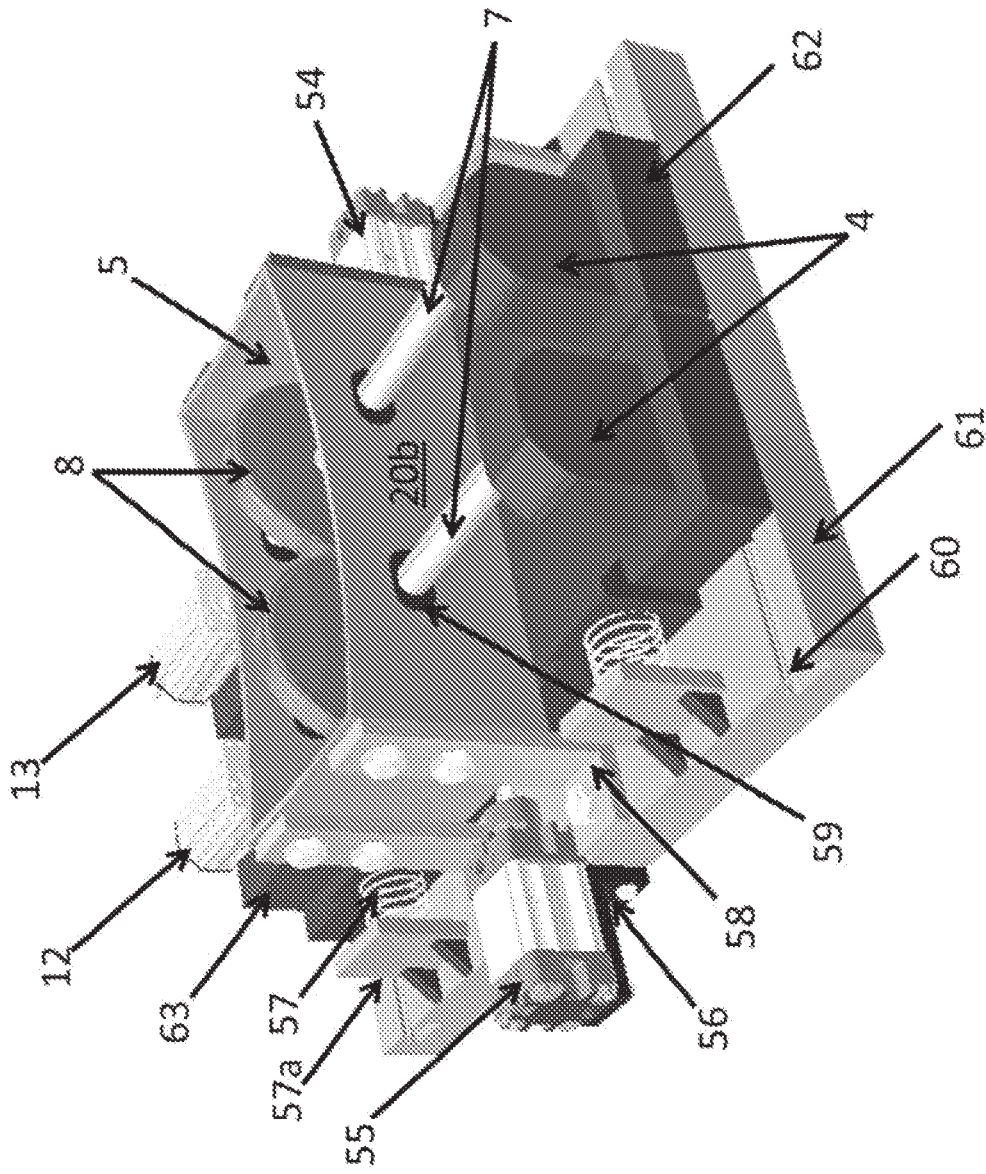


Fig. 2G1e1

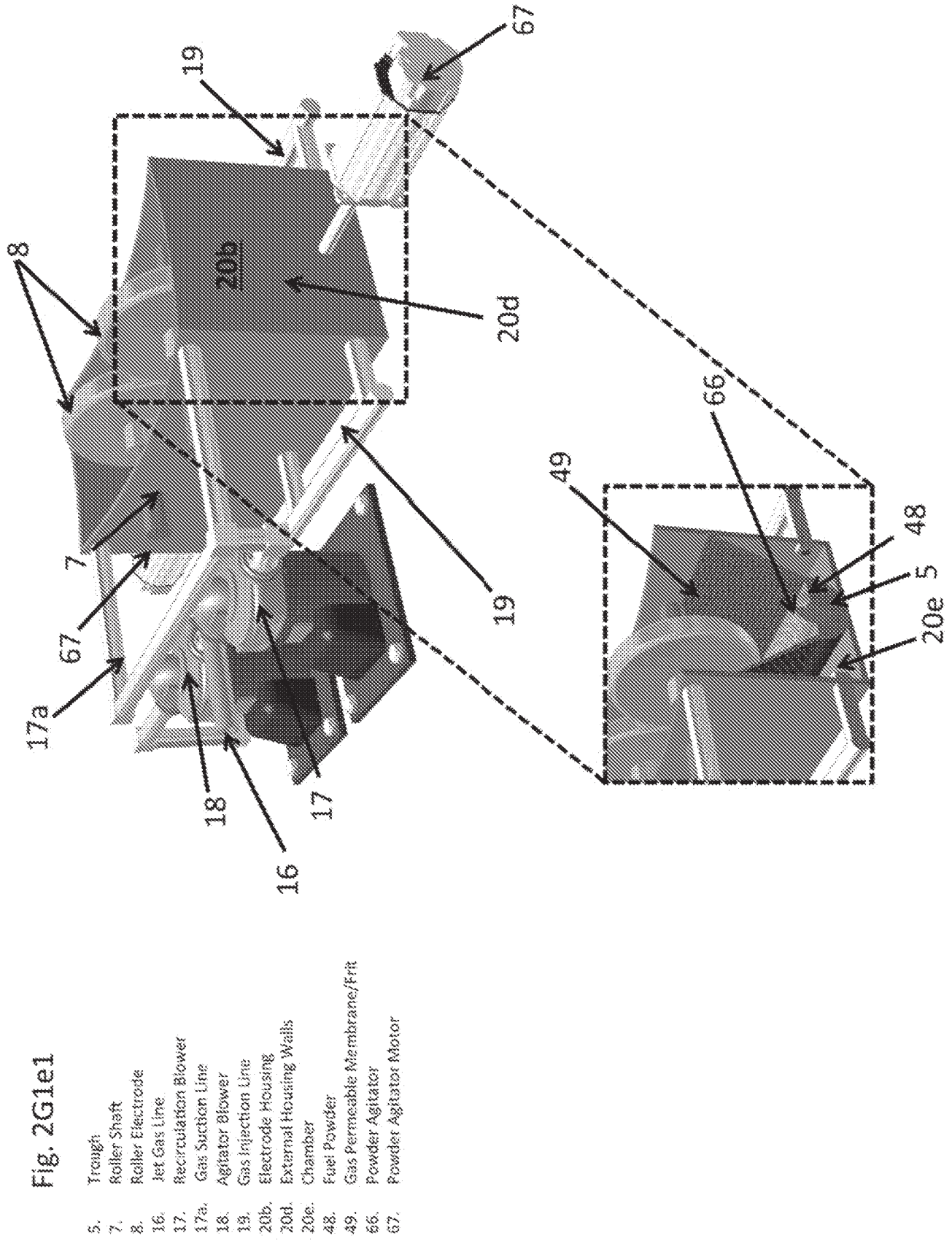


Fig. 2G1e2

- 4. Bearing Support for Roller Shaft
- 5. Trough
- 7. Roller Shaft
- 8. Roller Electrode
- 20. Window
- 20b. Electrode Housing
- 57. Tension Spring
- 57a. Tension Spring Mount
- 58. Electrode Housing Bracket
- 59. Flexible Gasket
- 60. Slide Track
- 61. Base Support
- 62. Movable Table
- 66. Auger
- 67. Auger Motor
- 76. Blower Inlet Duct
- 77. Blower
- 78. Blower Outlet Duct
- 79. Cyclone Separator Inlet
- 79a. Cyclone Separator Mount
- 80. Cyclone Separator
- 81. Gas Return Duct
- 82. Outlet Chute
- 83. Gas Jets

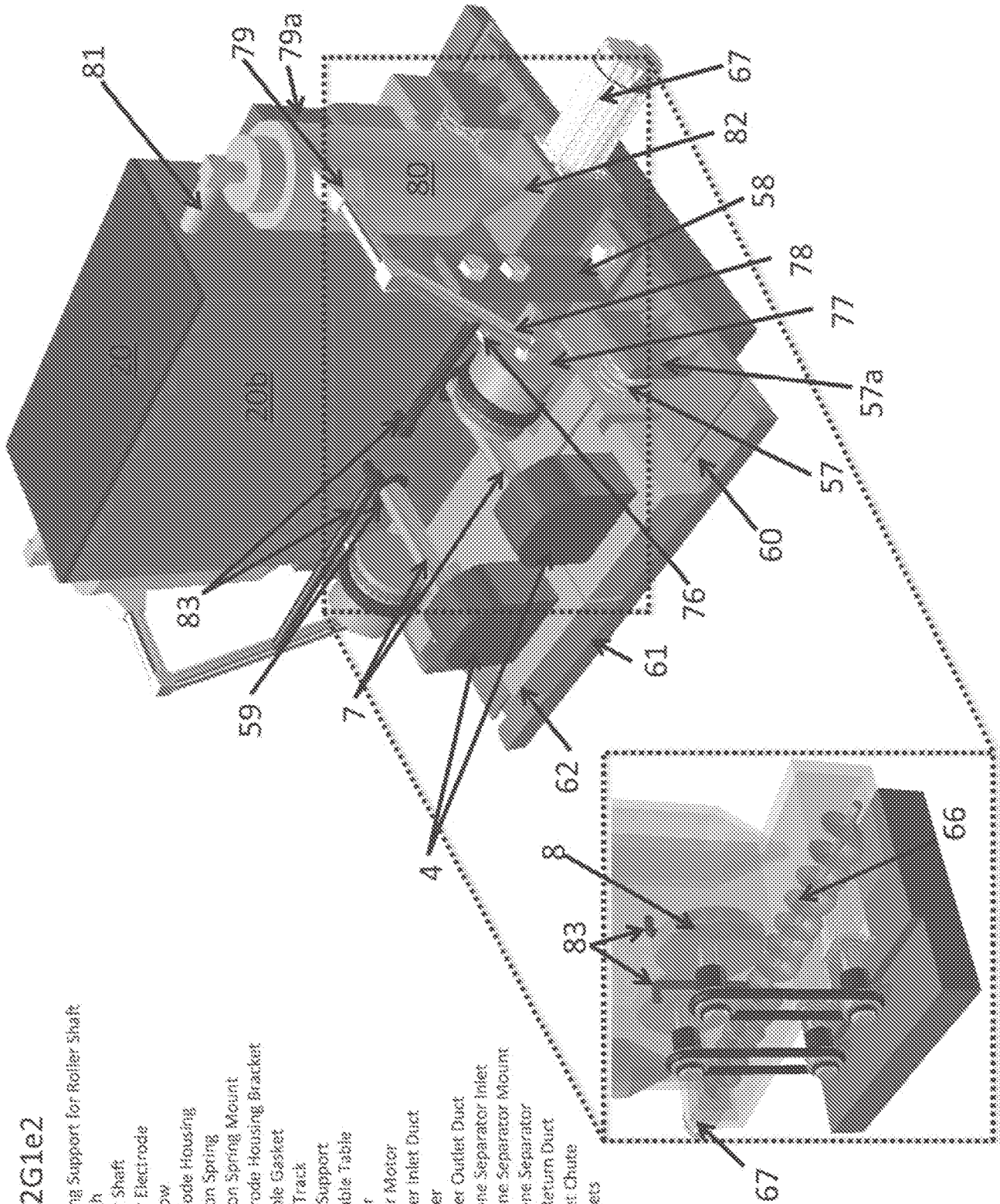


Fig. 2G1e3

- 4. Bearing Support for Roller Shaft
- 5. Trough
- 7. Roller Shaft
- 8. Roller Electrode
- 12. Roller Motor 1
- 13. Roller Motor 2
- 20. Window
- 20a. Electrode Housing
- 20b. Tension Spring
- 57. Tension Spring Mount
- 57a. Electrode Housing Bracket
- 58. Flexible Gasket
- 59. Slide Track
- 60. Base Support
- 61. Movable Table
- 62. Auger Motor
- 67. Indirect Drive Pulley
- 71. Shaft Drive Belt
- 72. Drive Shaft Bearing
- 73. Drive Shaft
- 74. Wire Connector
- 75. Blower
- 77. Blower Outlet Duct
- 78. Cyclone Separator Inlet
- 79. Cyclone Separator Mount
- 79a. Cyclone Separator
- 80. Gas Return Duct
- 81. Outlet Chute
- 82. Gas Jets
- 83.

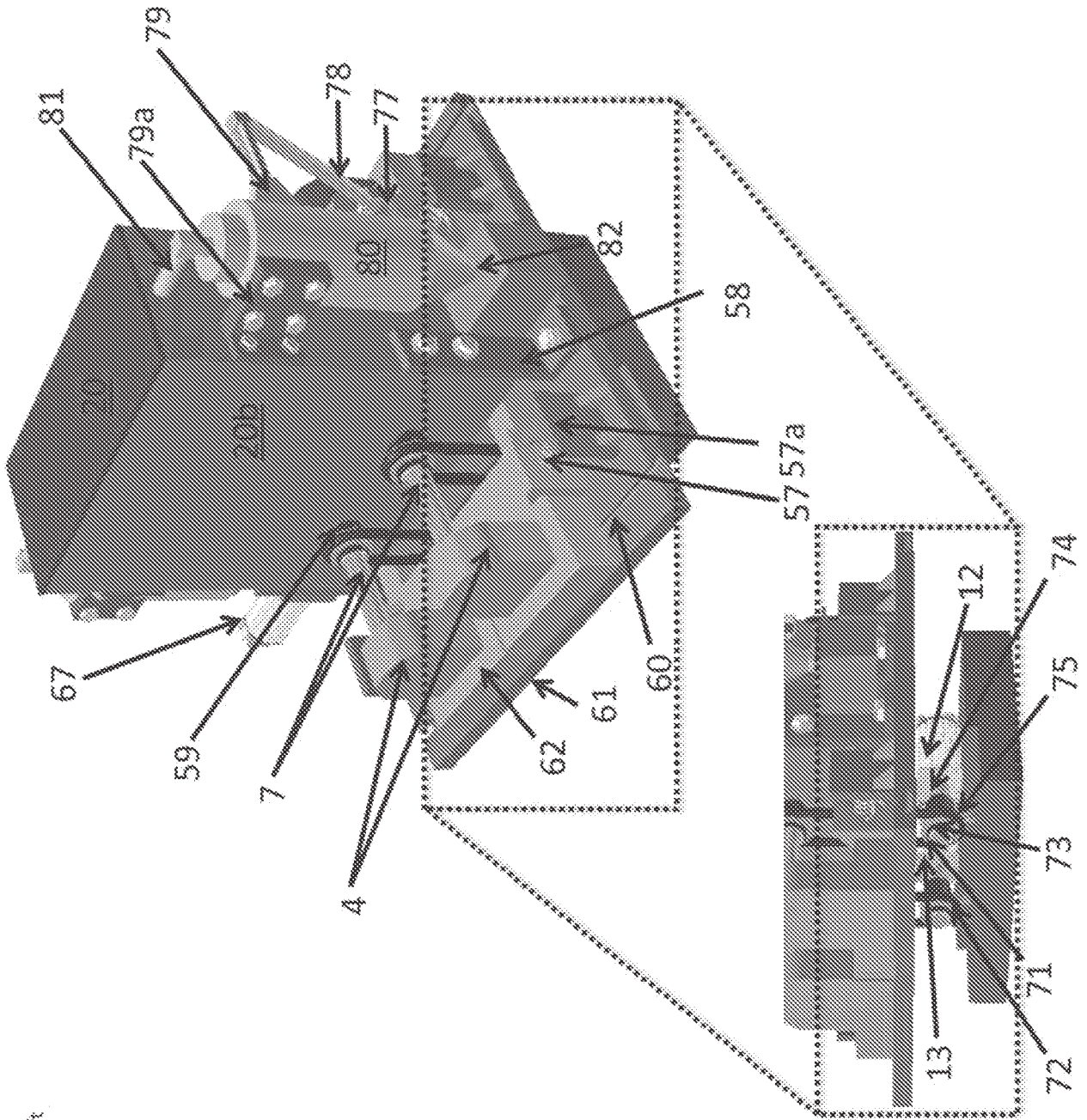


Fig. 2G1e4

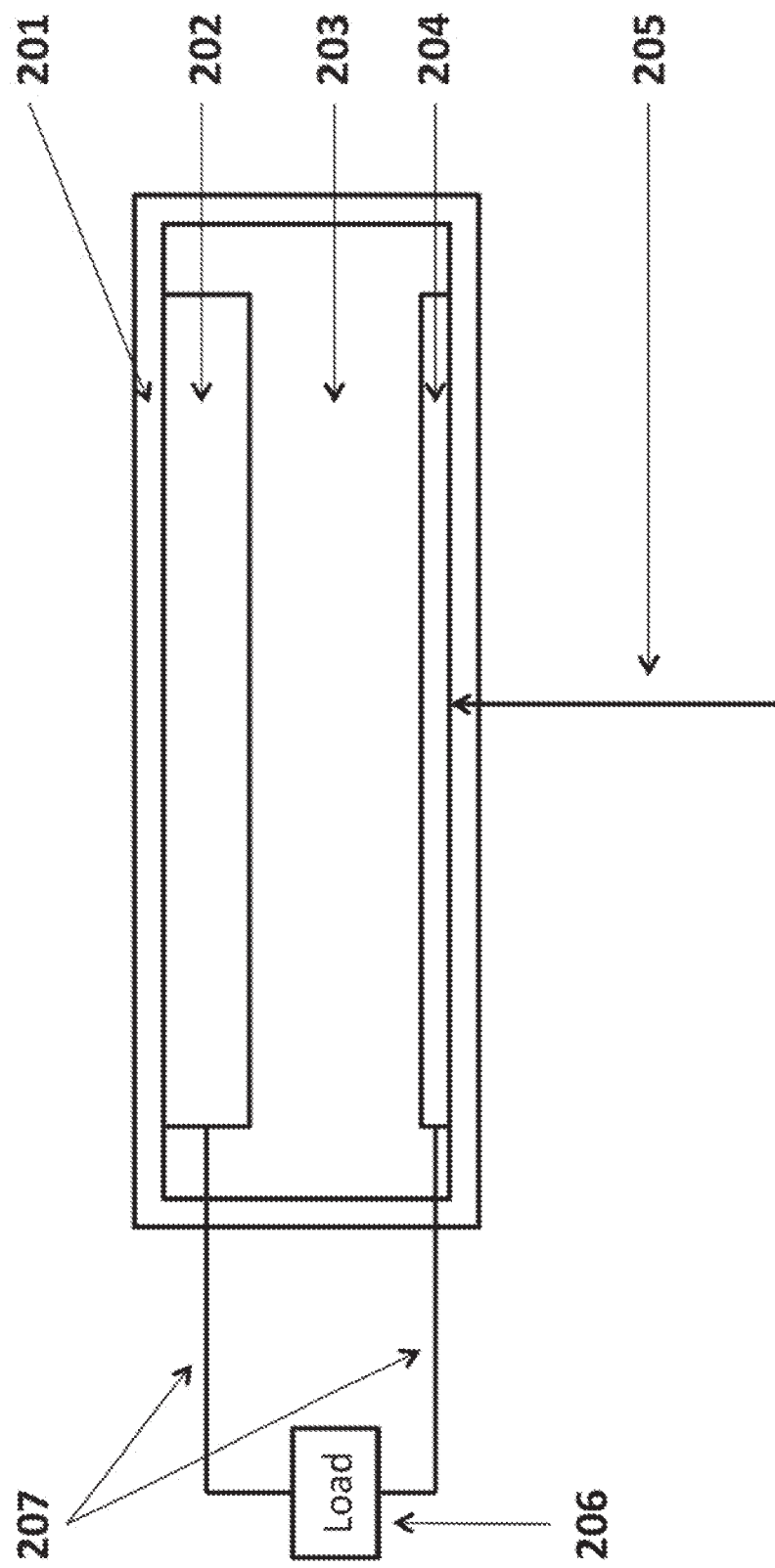


Fig. 2G1e5

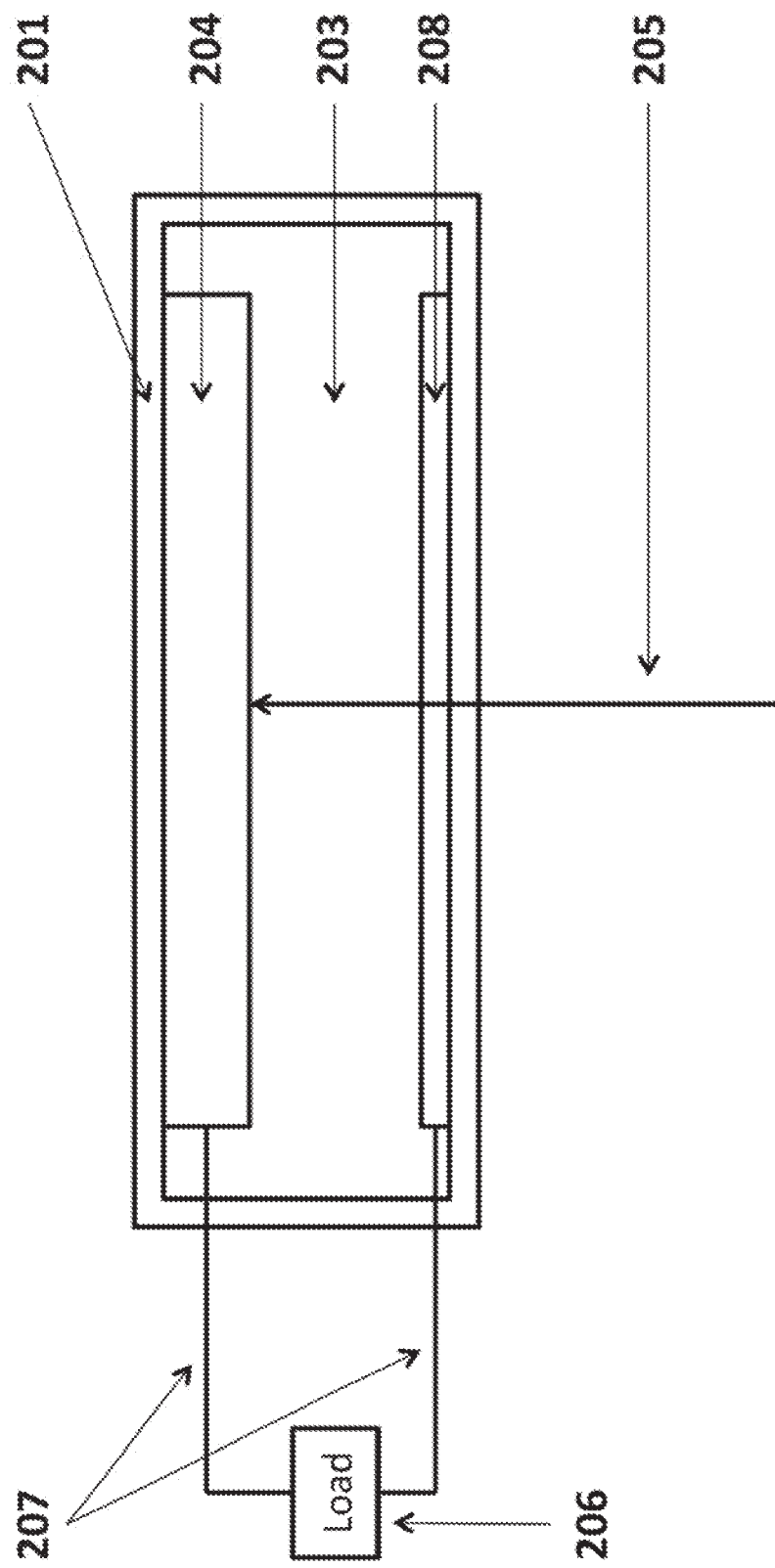


Fig. 2G1e6

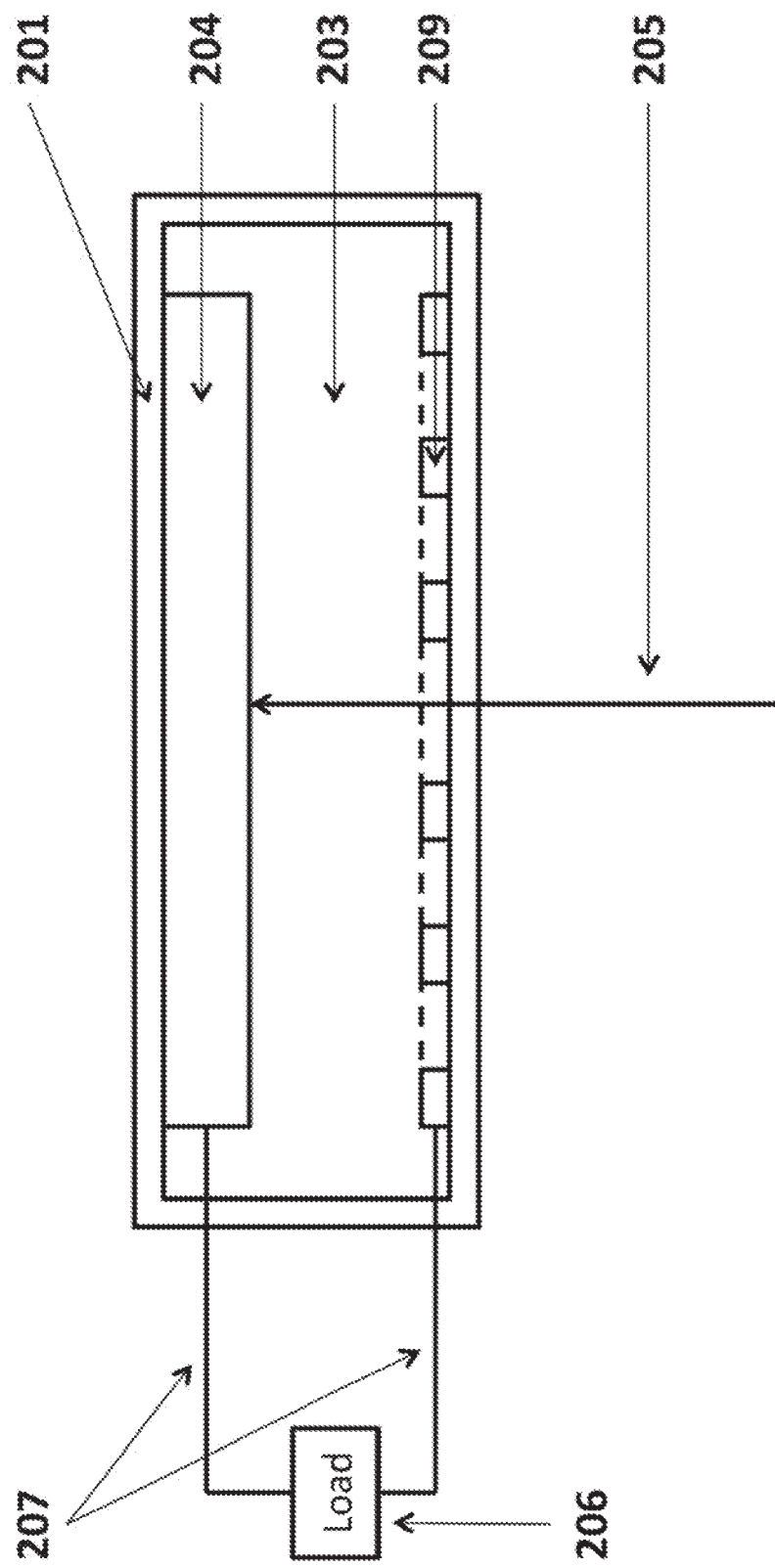


Fig. 2H1

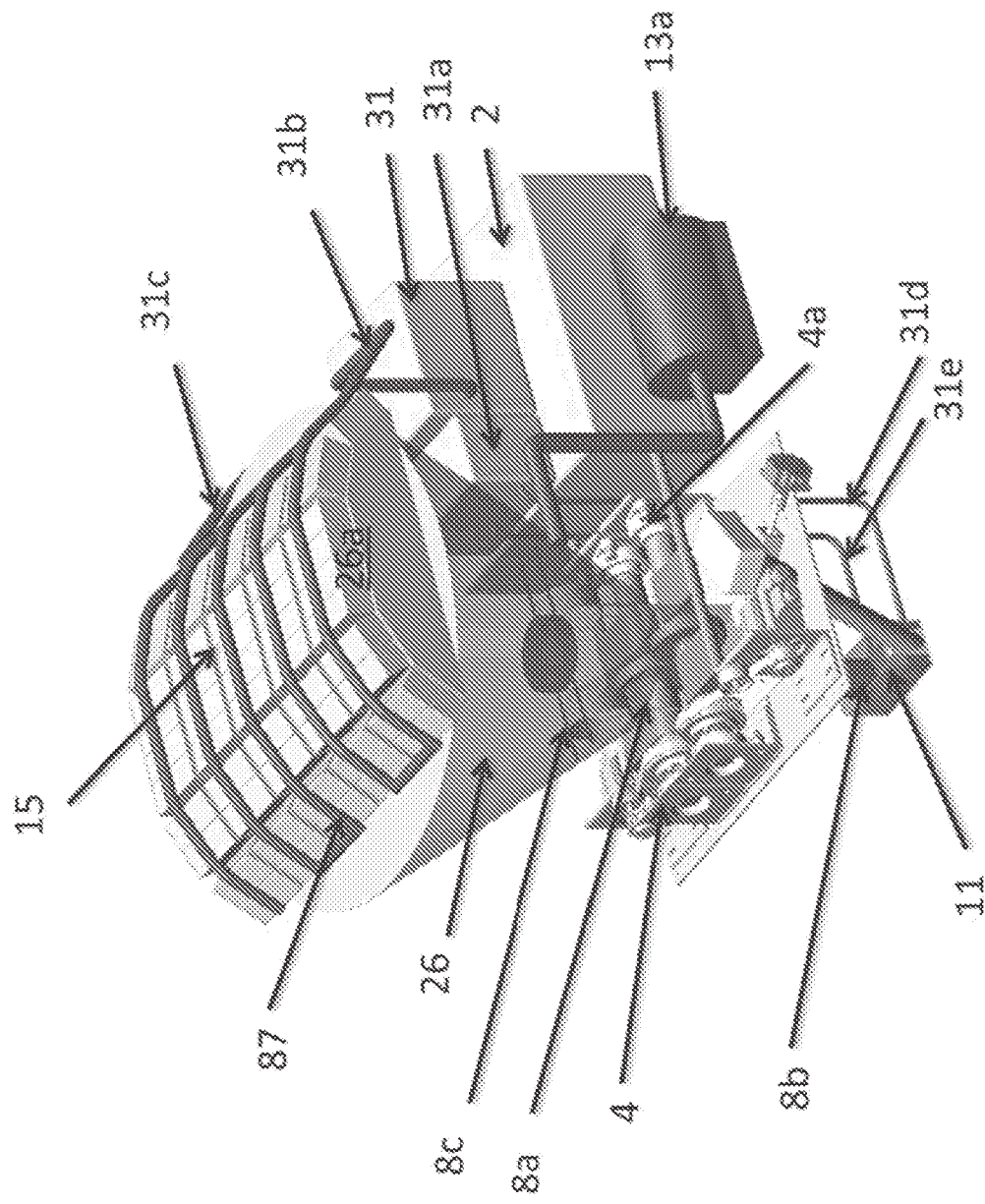


Fig. 2H2

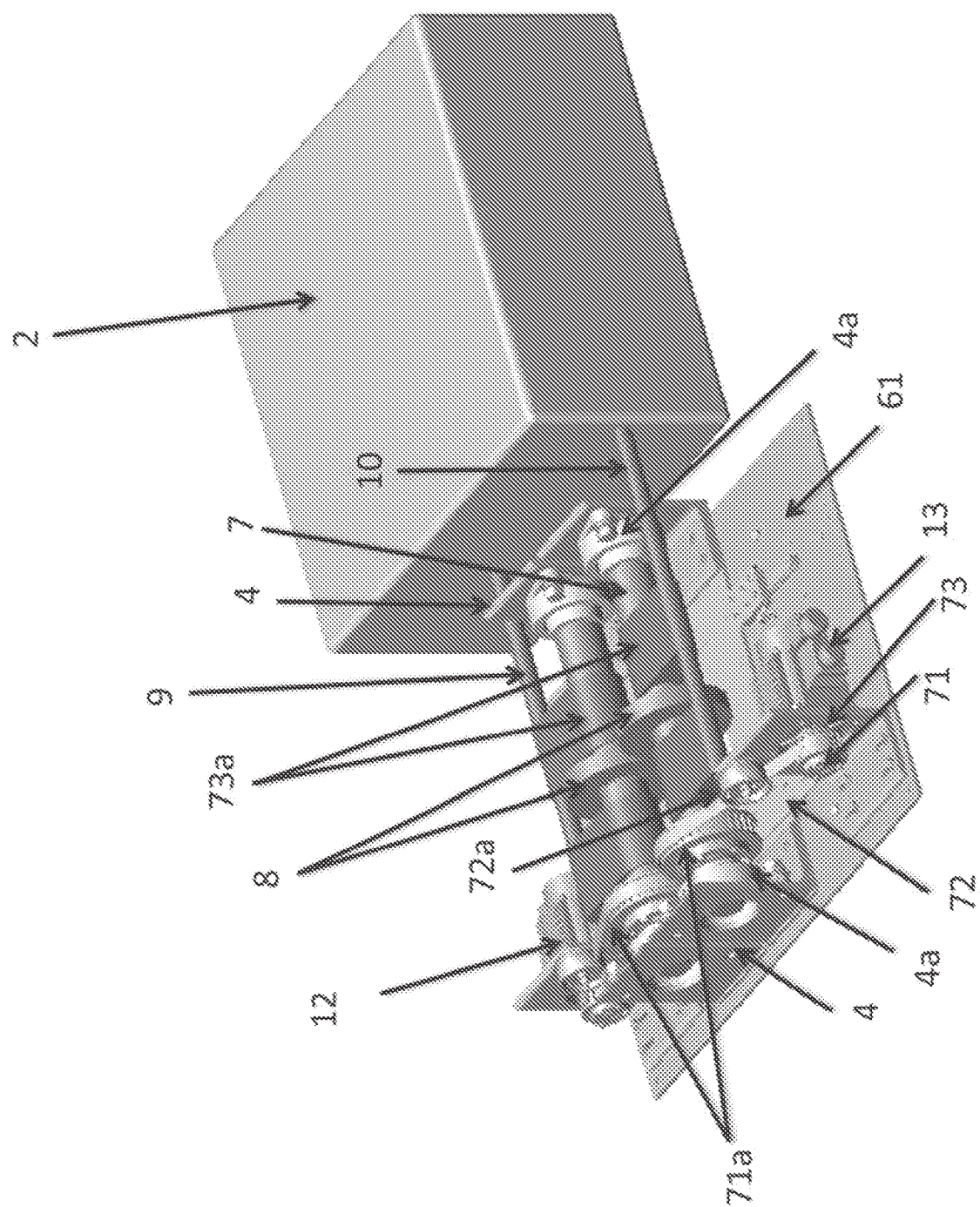


Fig. 2H3

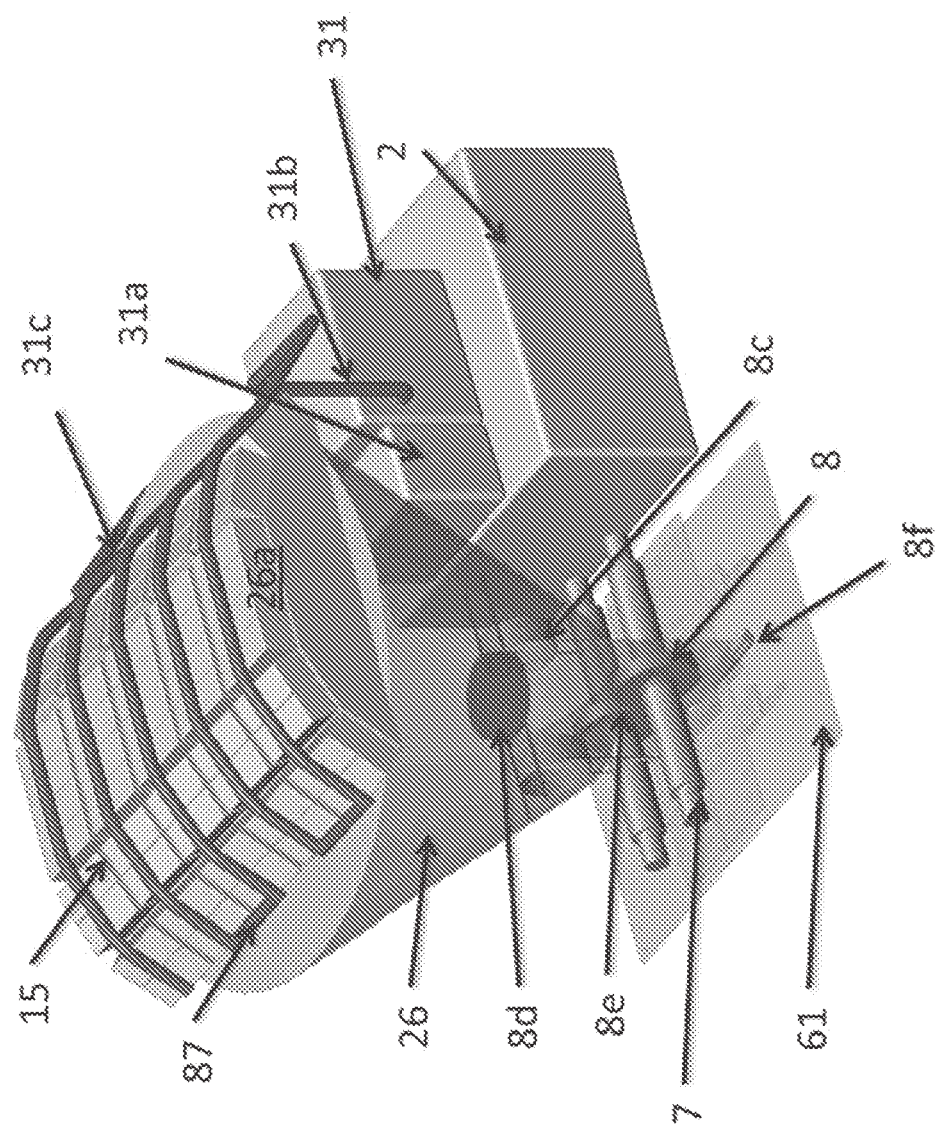
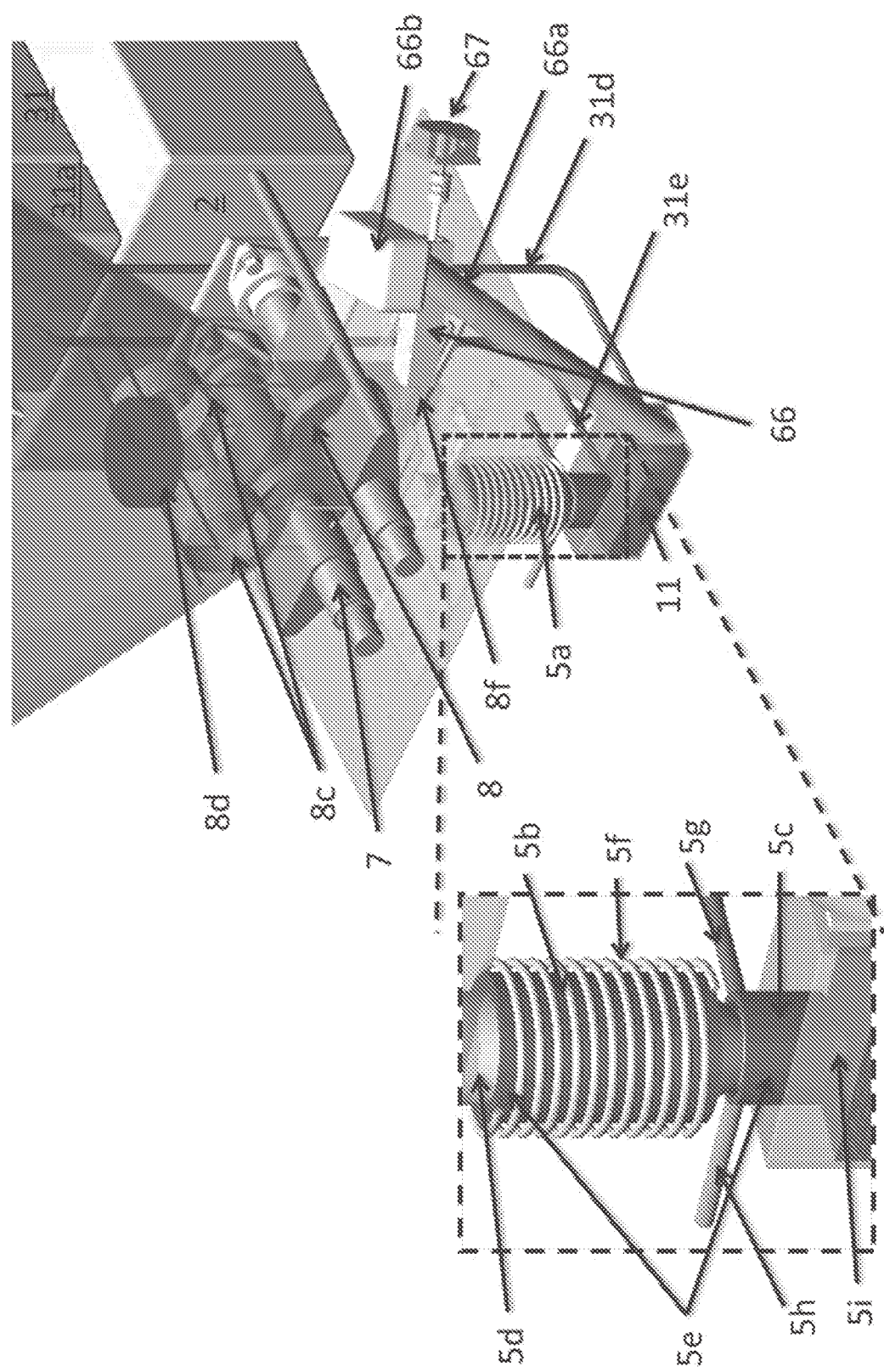


Fig. 2H4



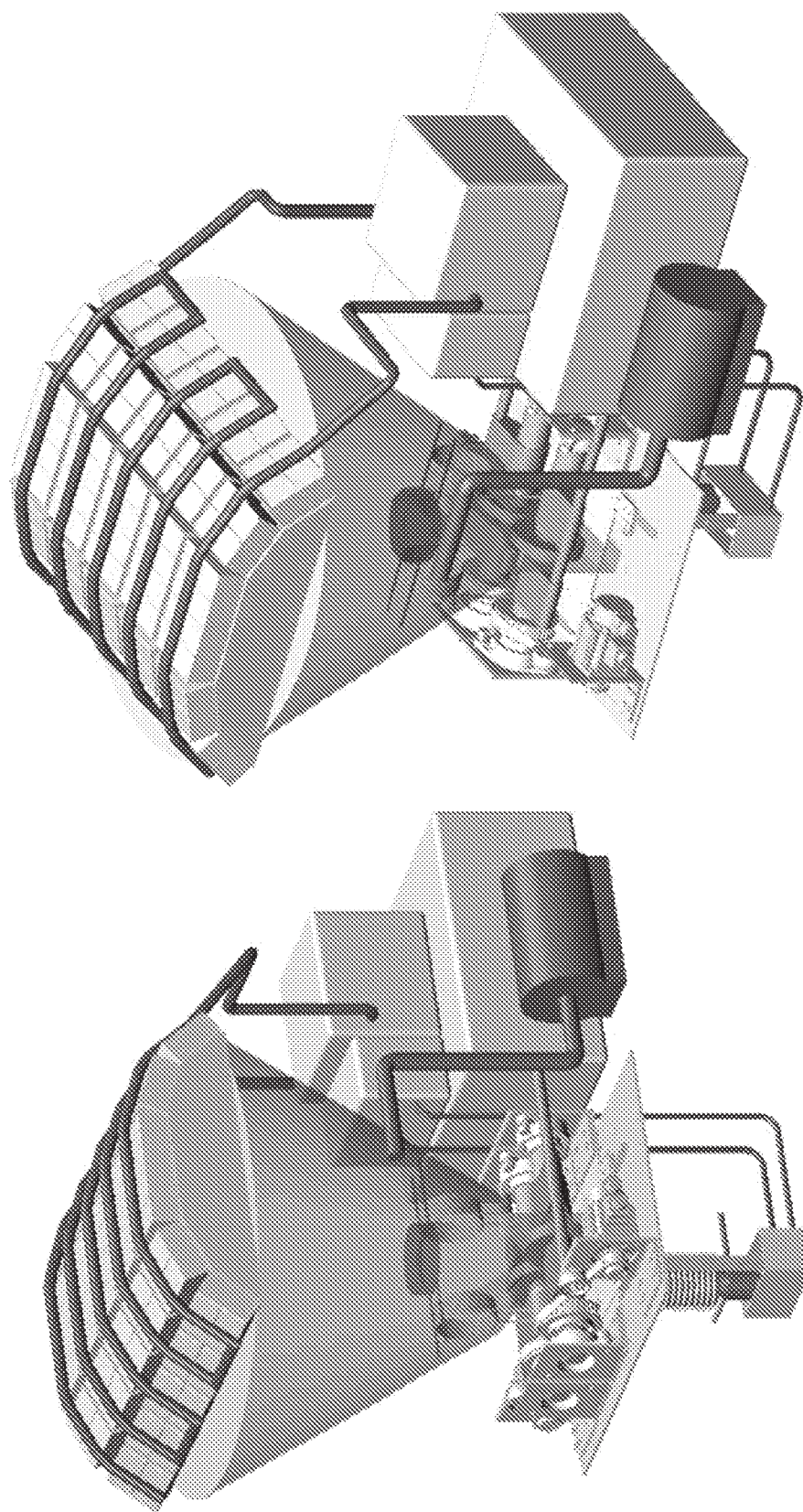


Fig. 211

Fig. 212

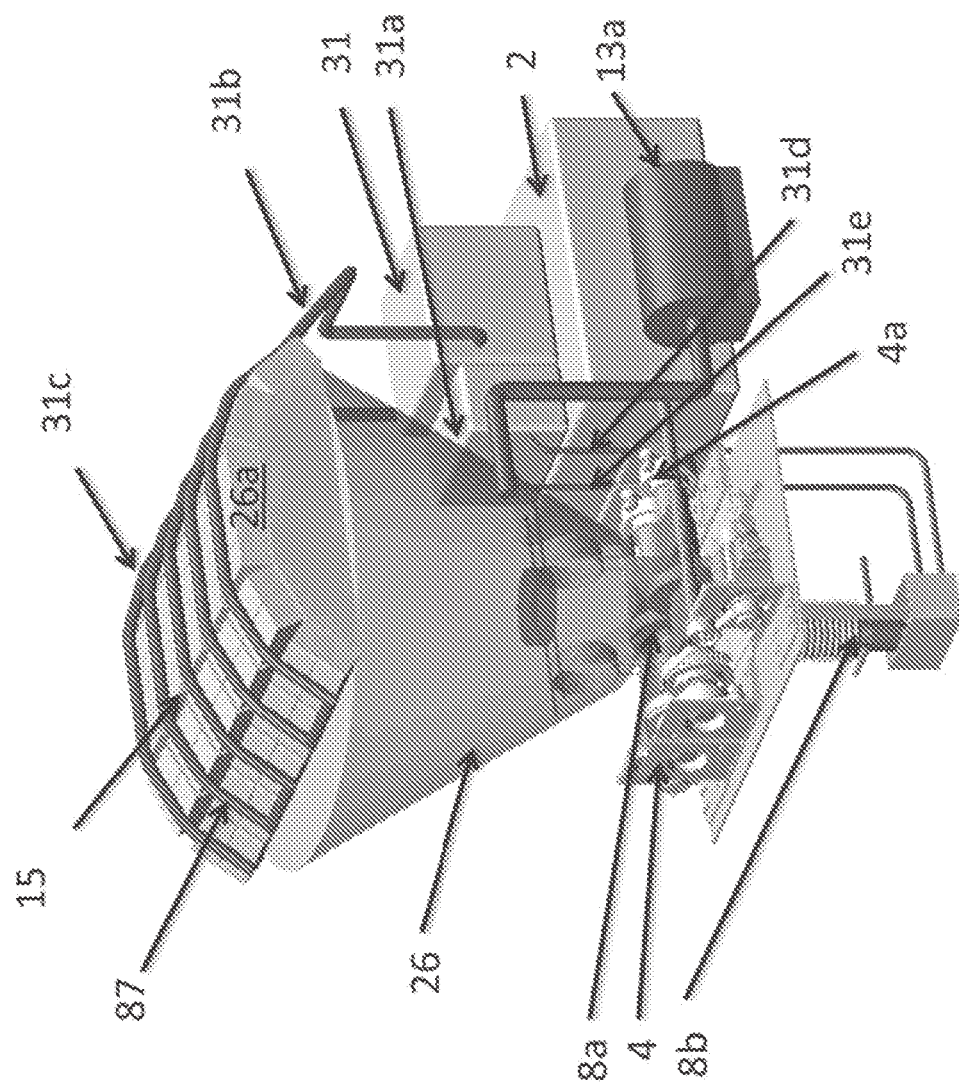


Fig. 213

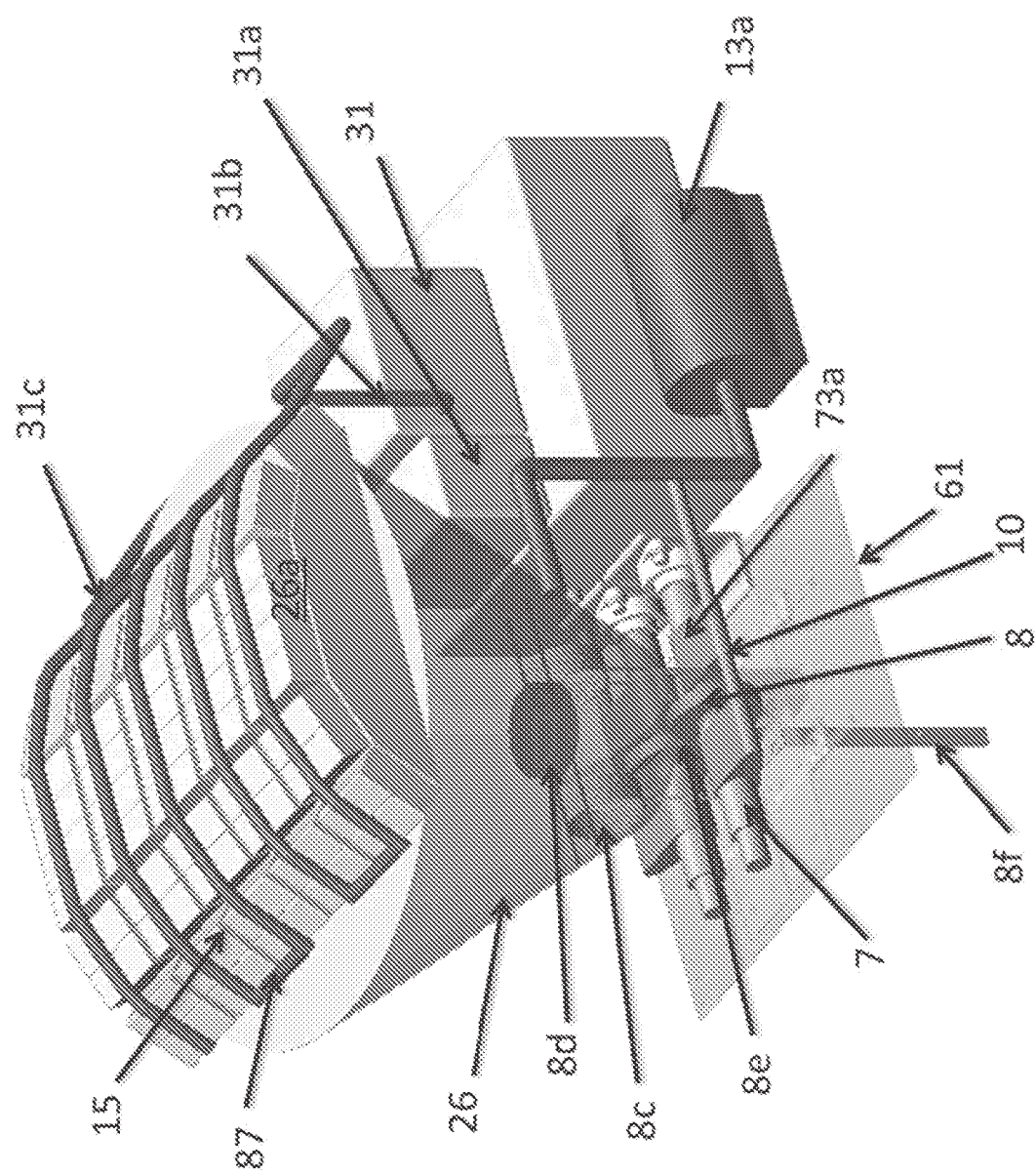




Fig. 215

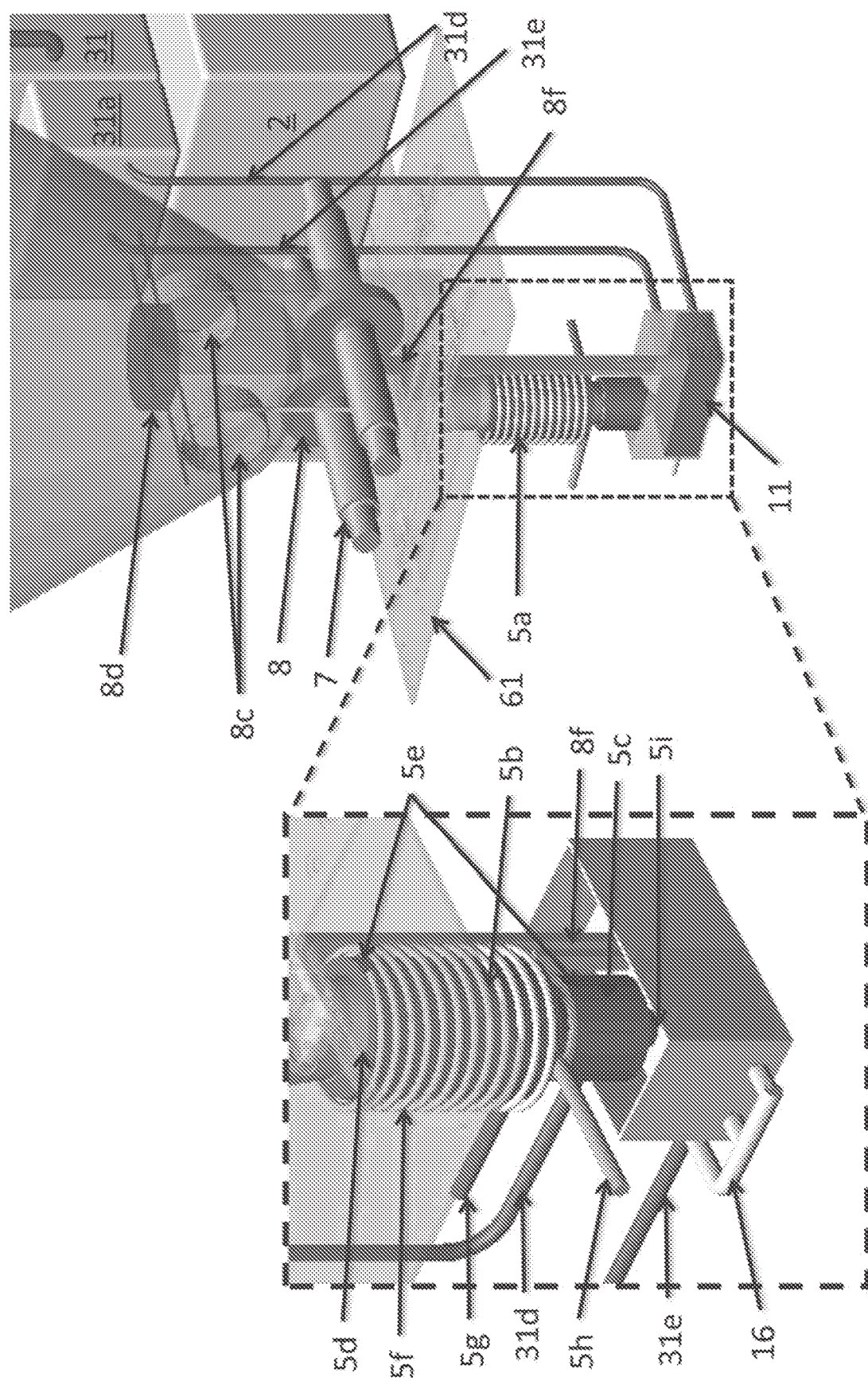


Fig. 2J

- 2. Source of Electrical Power
- 9. Pivoting Bus Bar
- 17. Water Ejection Pump
- 18. Water Sucking Pump
- 19. Water Sucking Line
- 67. Slurry Agitator Motor
- 71. Bottom Indirect Drive Pulley
- 71a. Top Indirect Drive Pulley
- 72. Shaft Drive Belt
- 73. Drive Shaft Bearing
- 74. Drive Shaft
- 75. Wire Connector
- 84. Coolant Inlet Line
- 85. Coolant Outlet Line
- 86. Heat Exchanger, Boiler, Turbine, Generator
- 87. Heat Exchanger

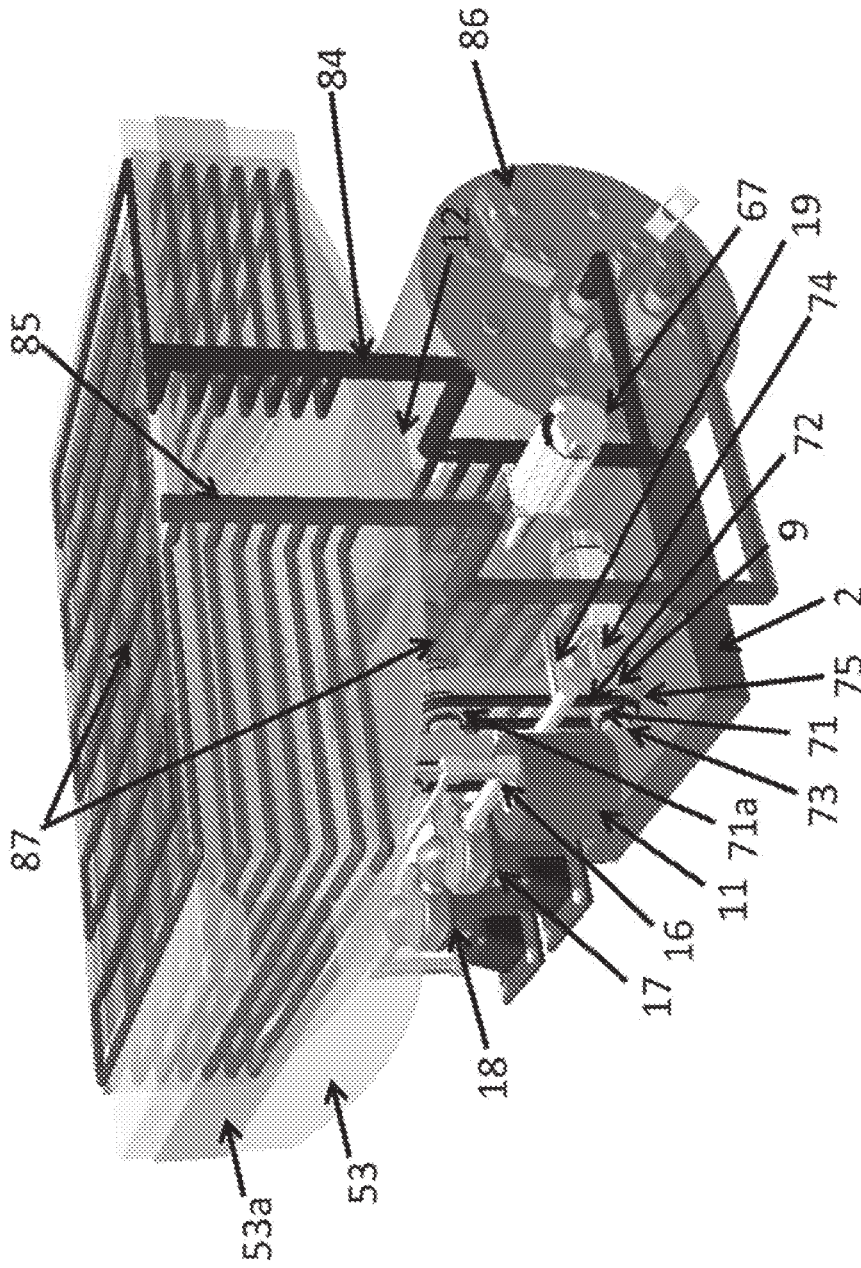


Fig. 3

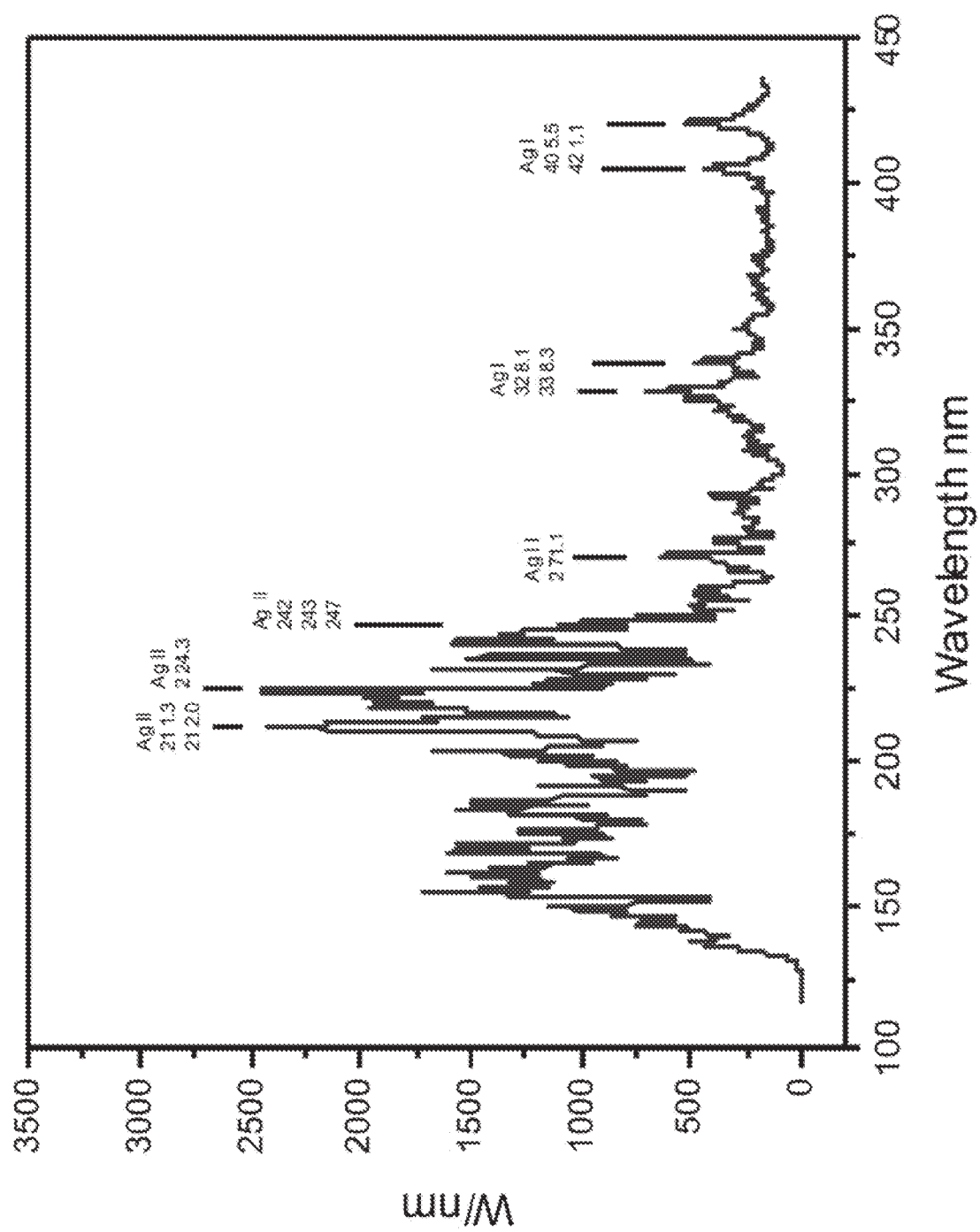


Fig. 4

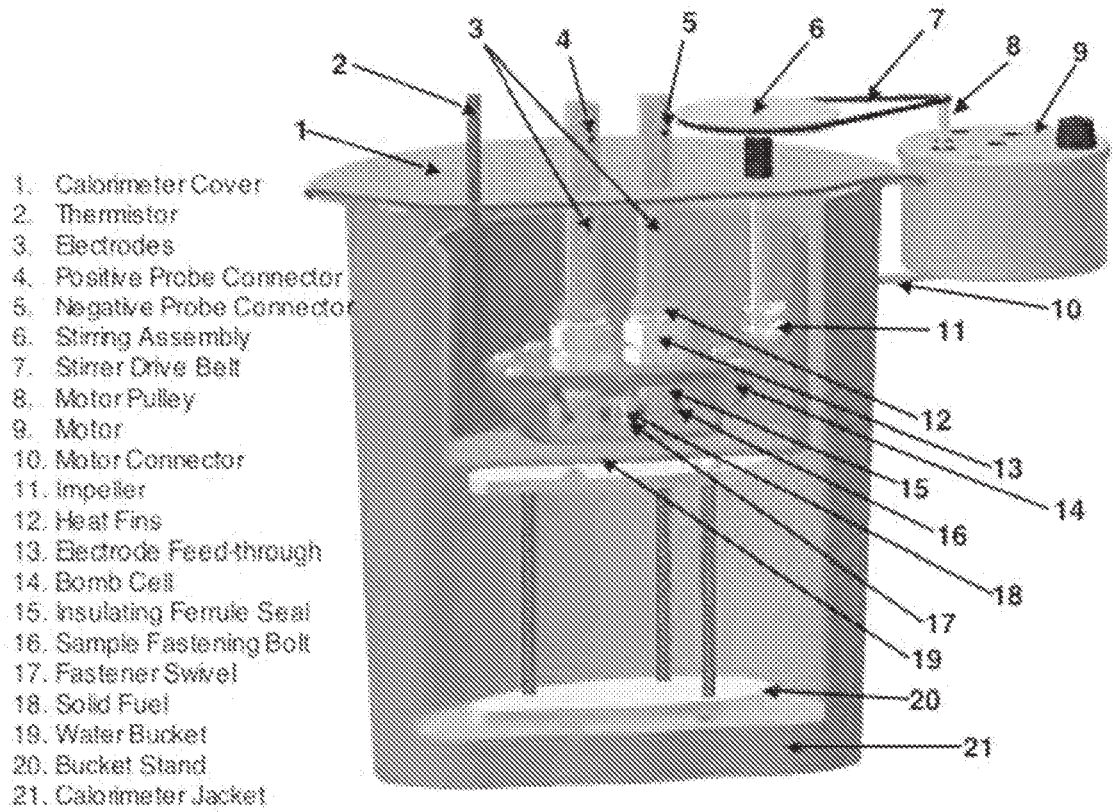


Fig. 5

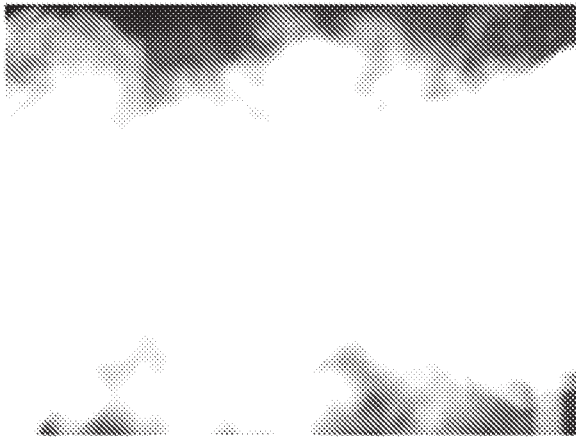


Fig. 6

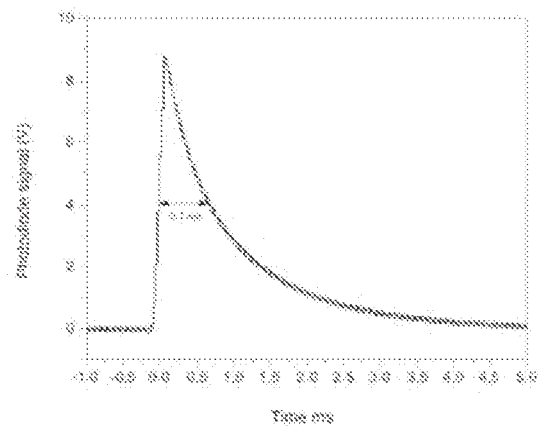


Fig. 7

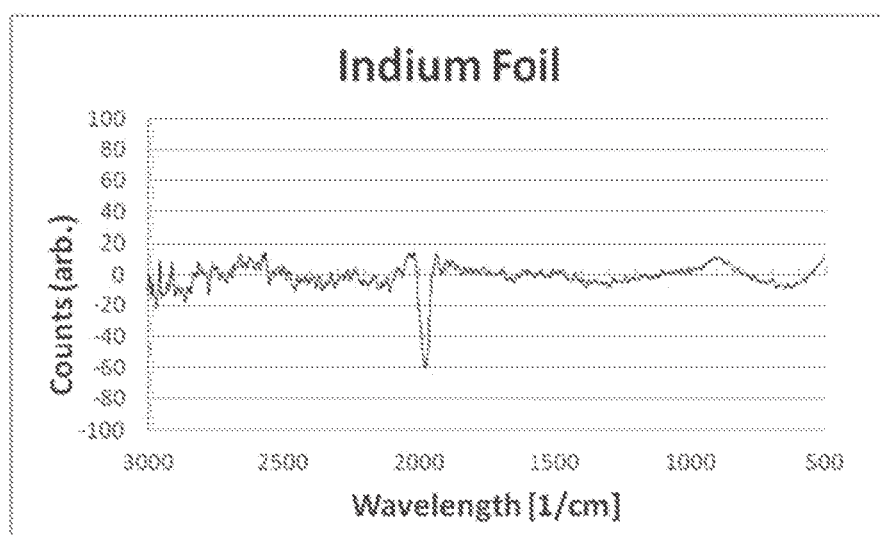


Fig. 8

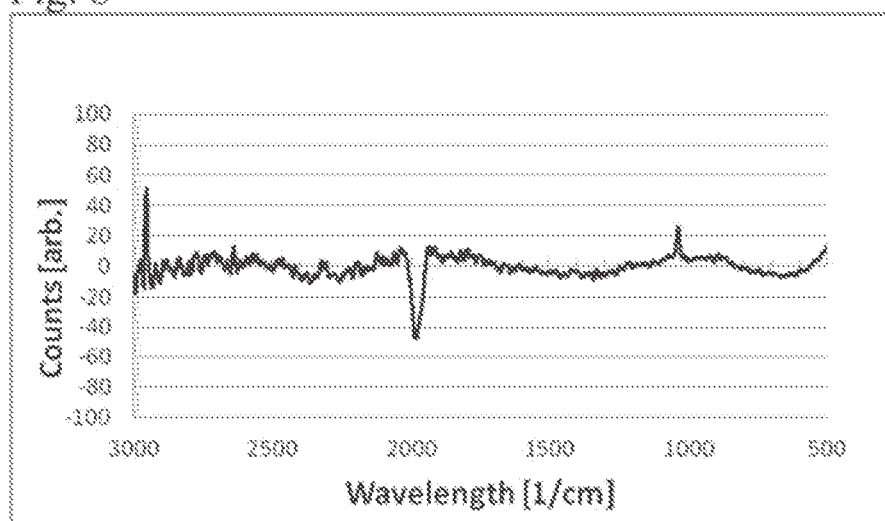


Fig. 9

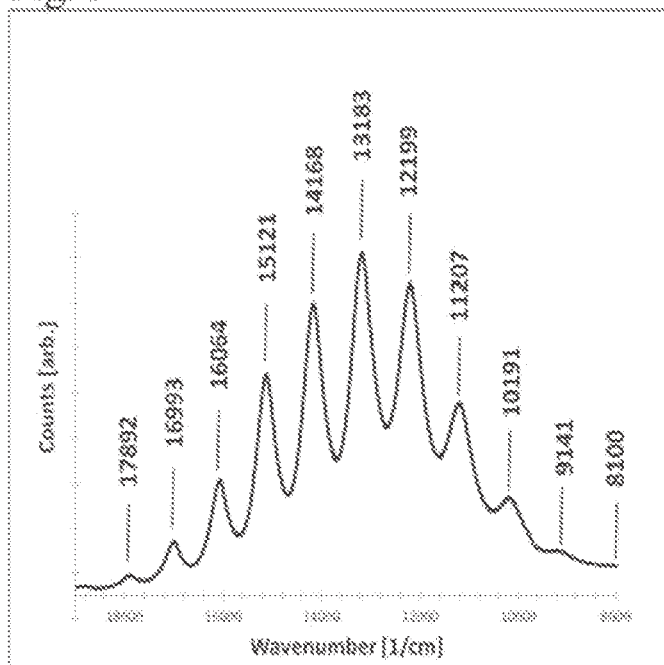
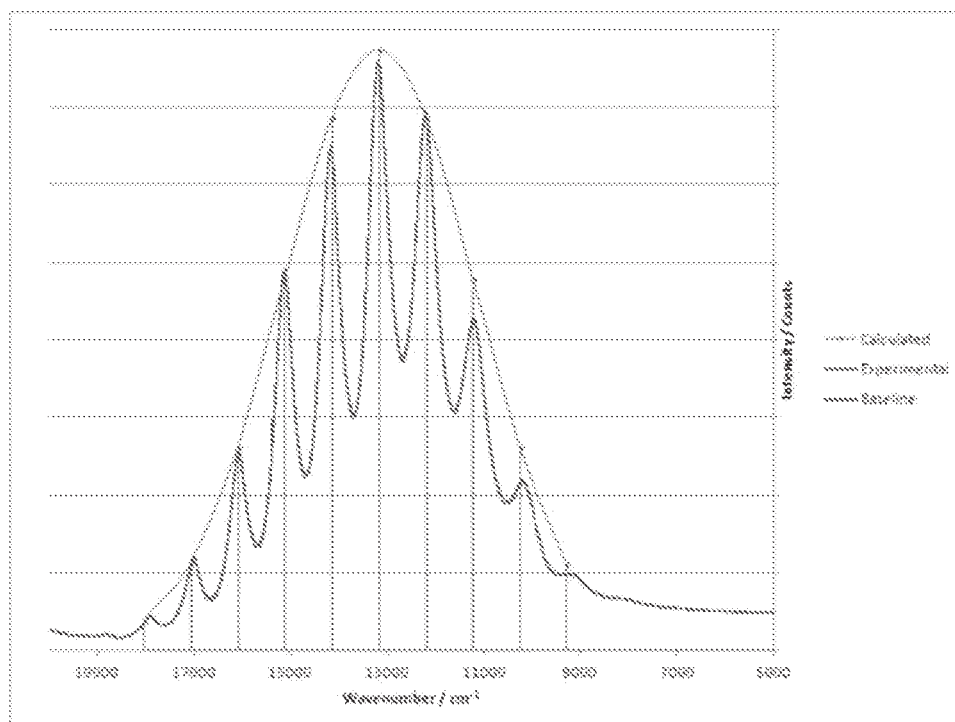
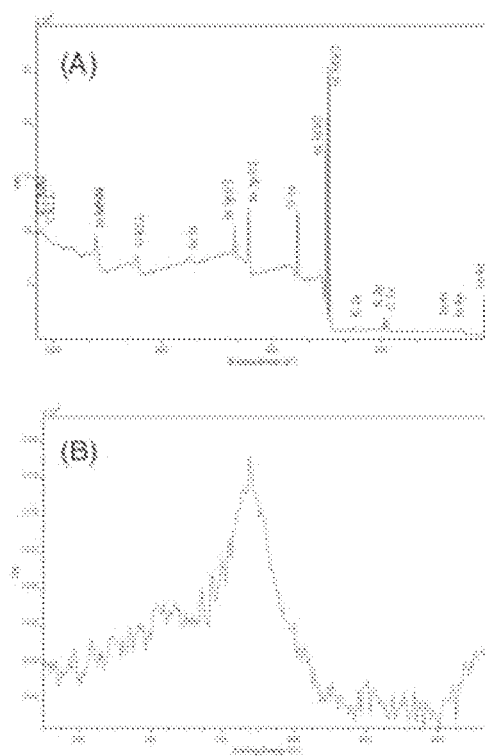


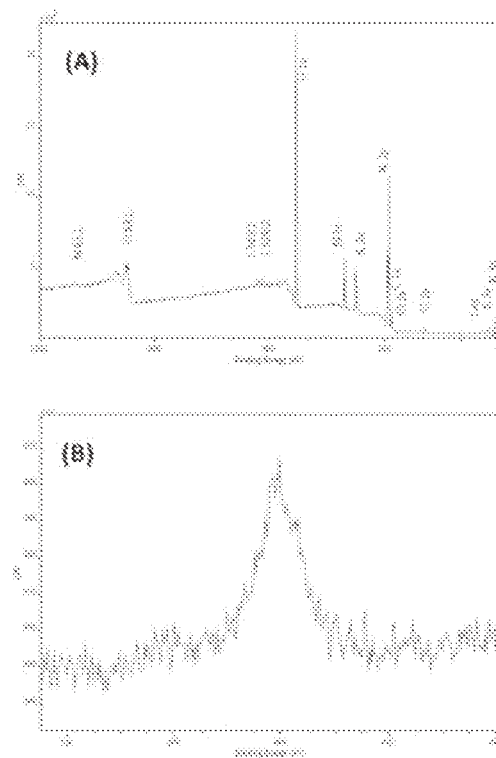
Fig. 10



Figs. 11A-B



Figs. 12A-B



Figs. 13A-B

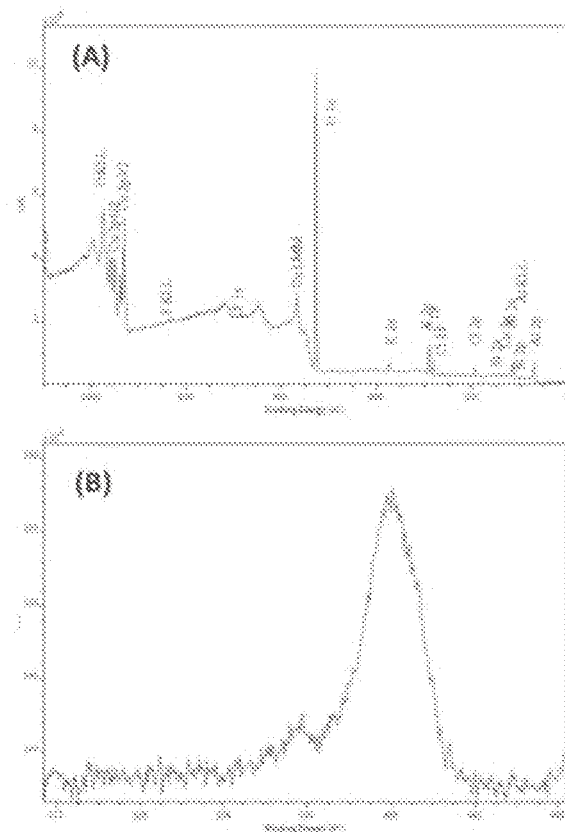


Fig. 14

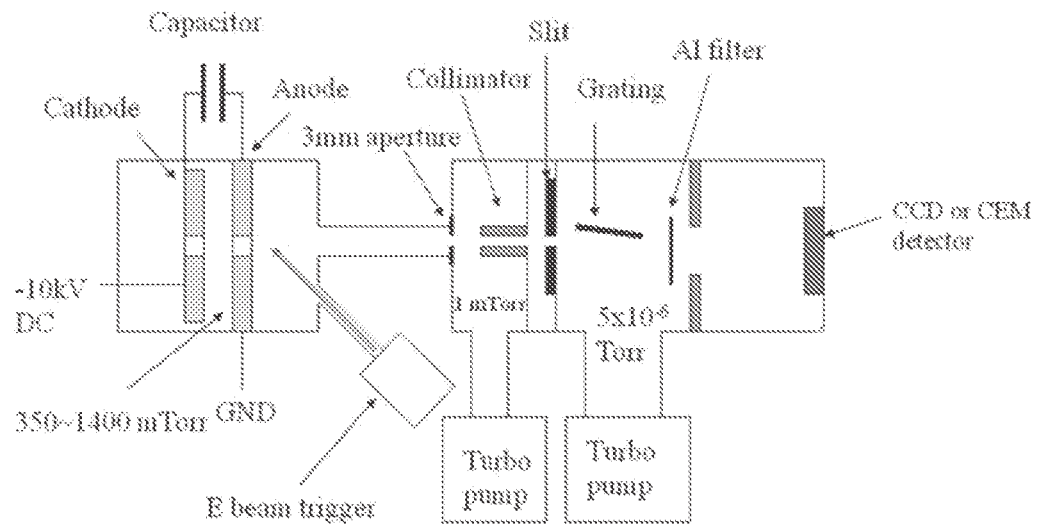


Fig. 15

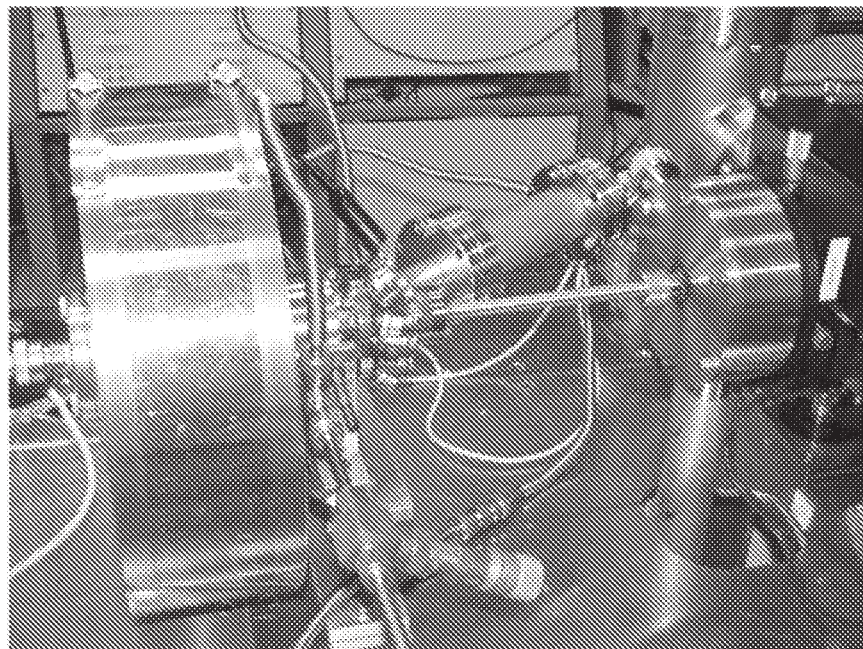
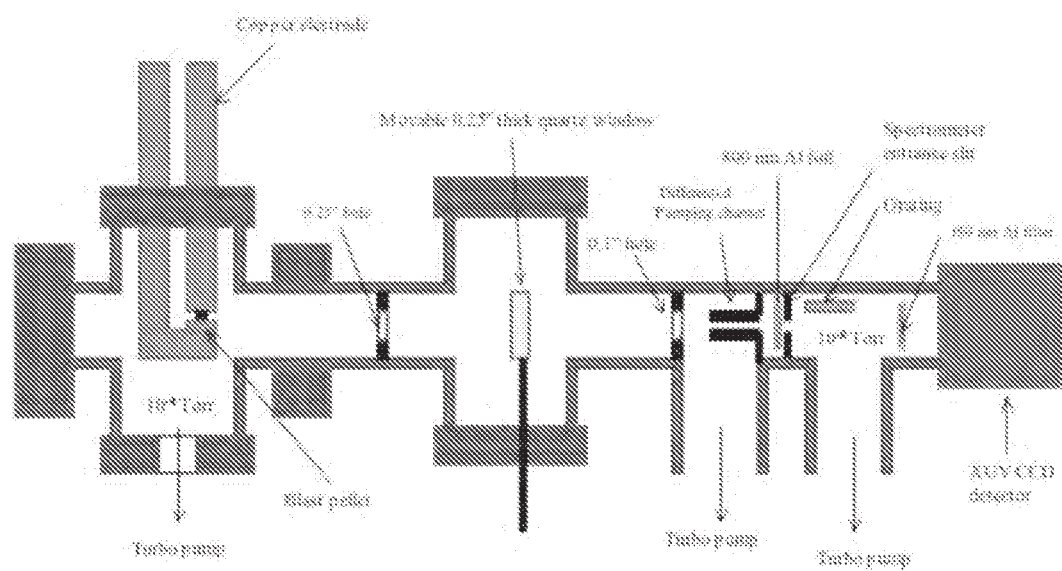
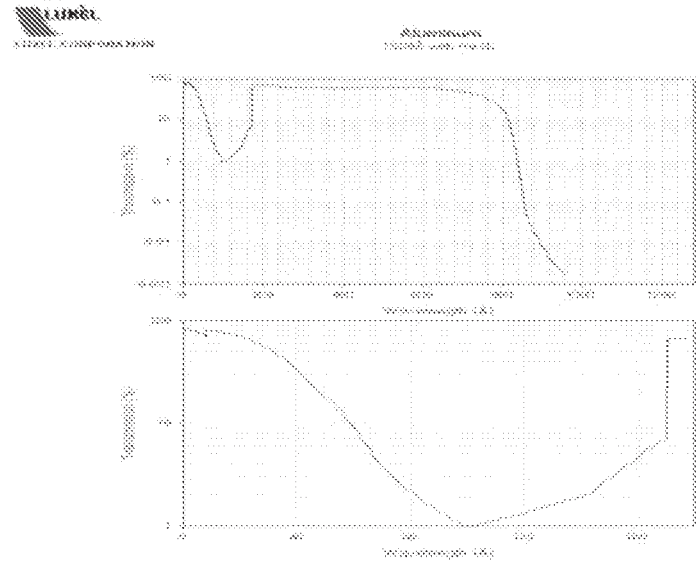


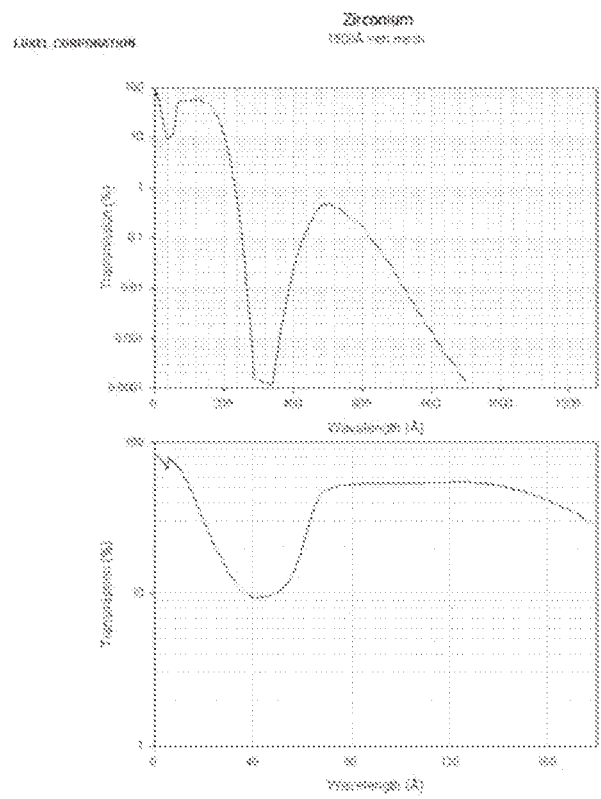
Fig. 16



Figs. 17A-B

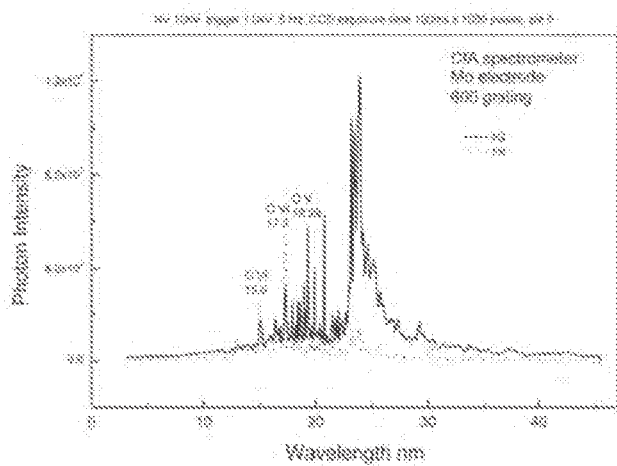


(A)

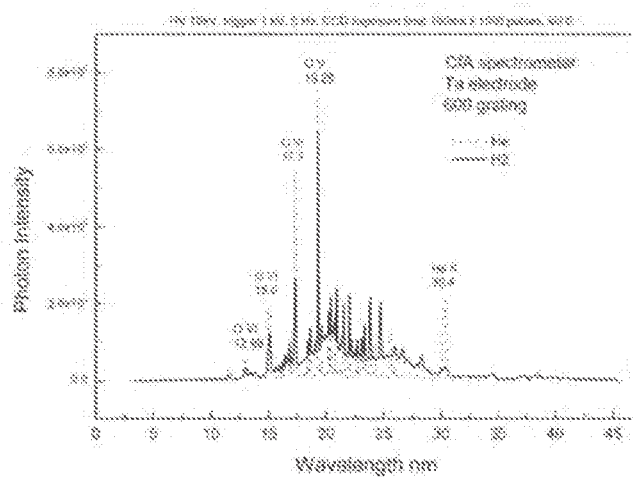


(B)

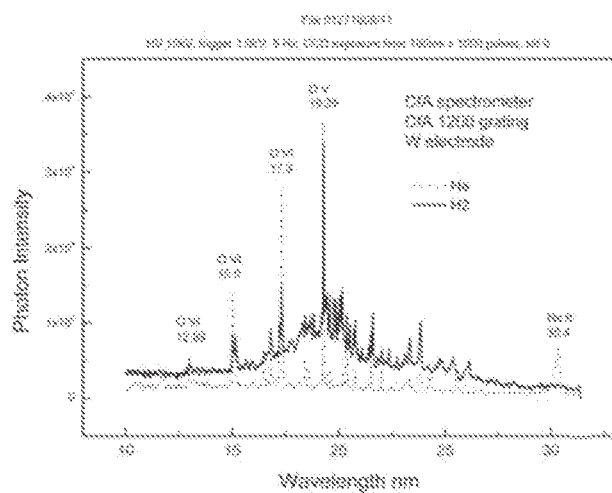
Figs. 18A-D



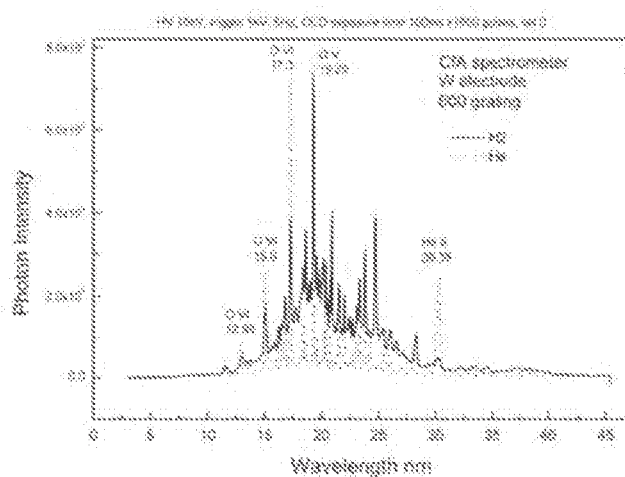
(A)



(B)

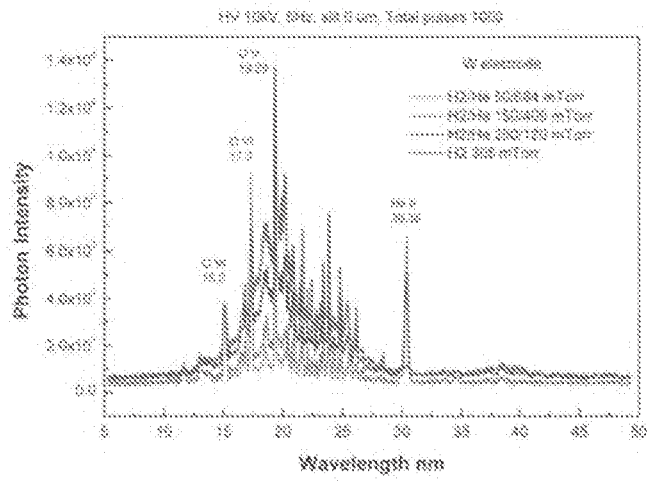


(C)

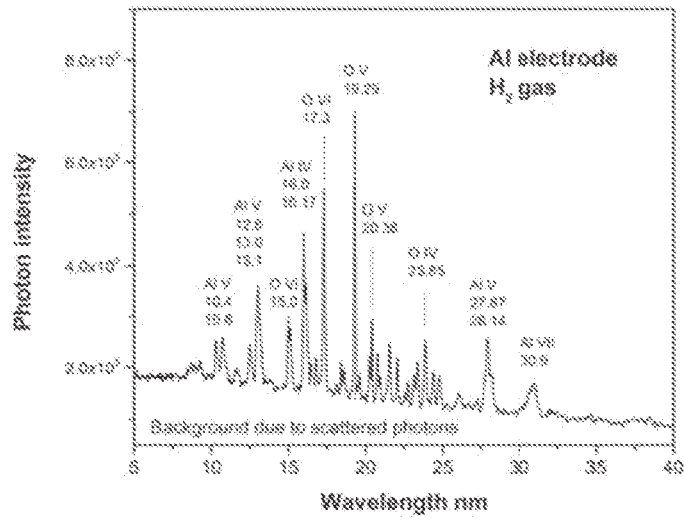


(D)

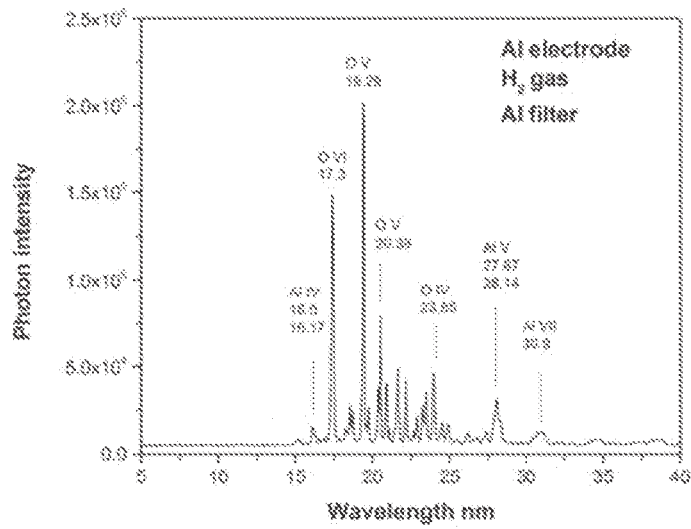
Fig. 19



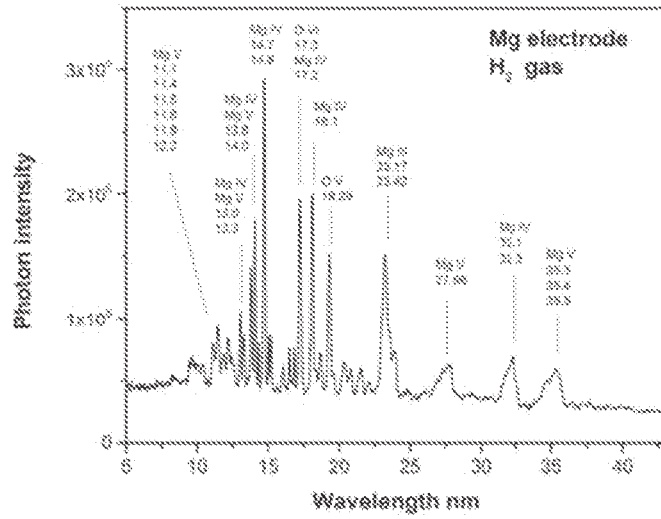
Figs. 20A-D



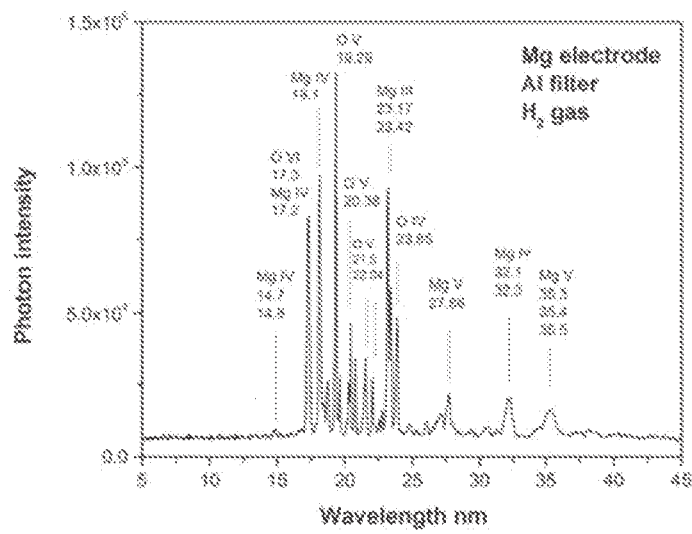
(A)



(B)



(C)

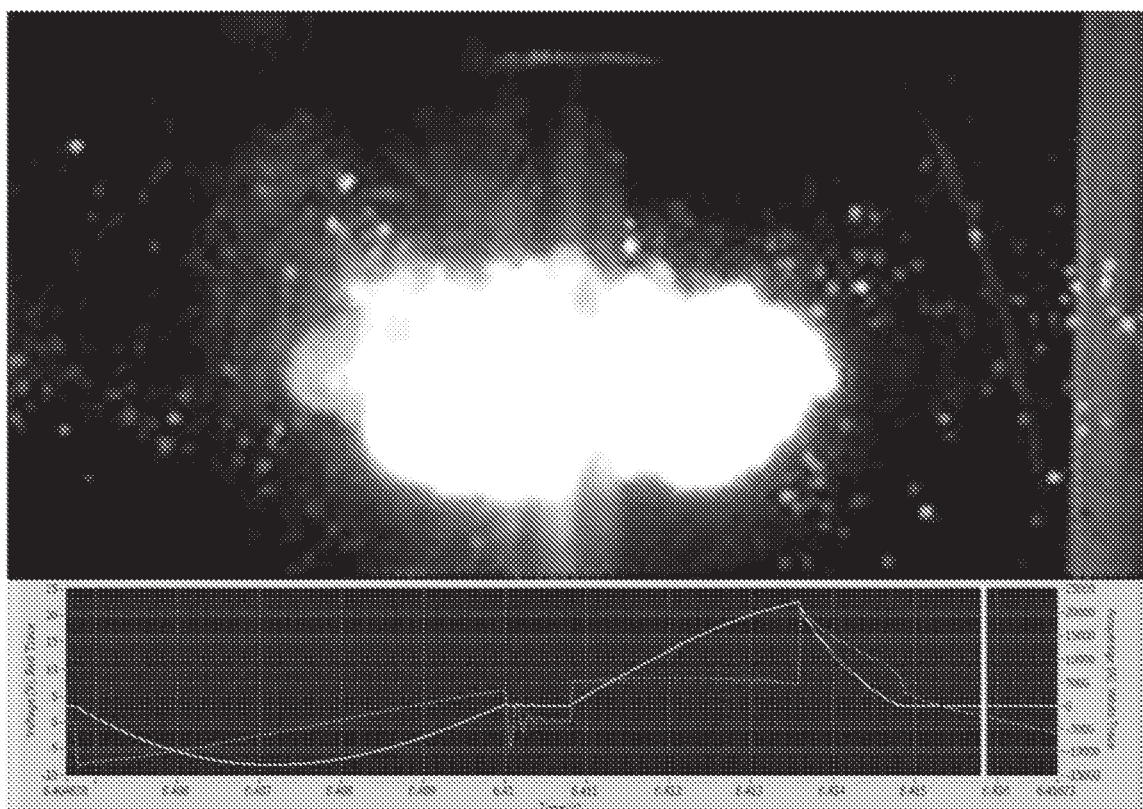


(D)

Figs. 21A-B



(A)



(B)

Fig. 22

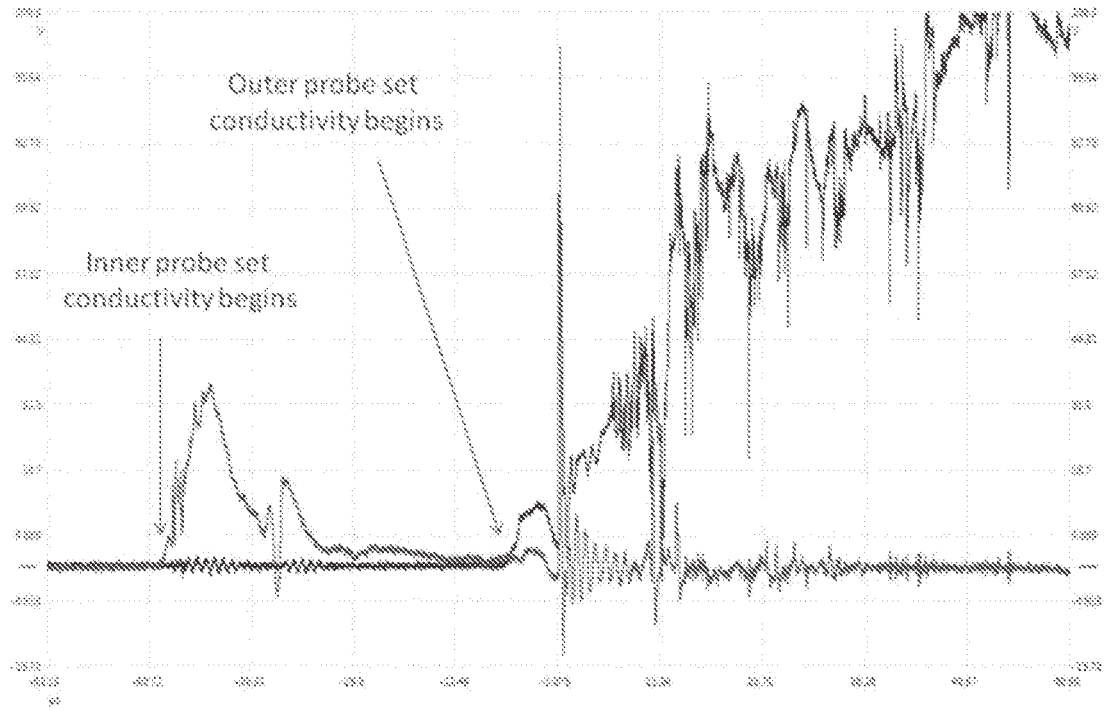


Fig. 23

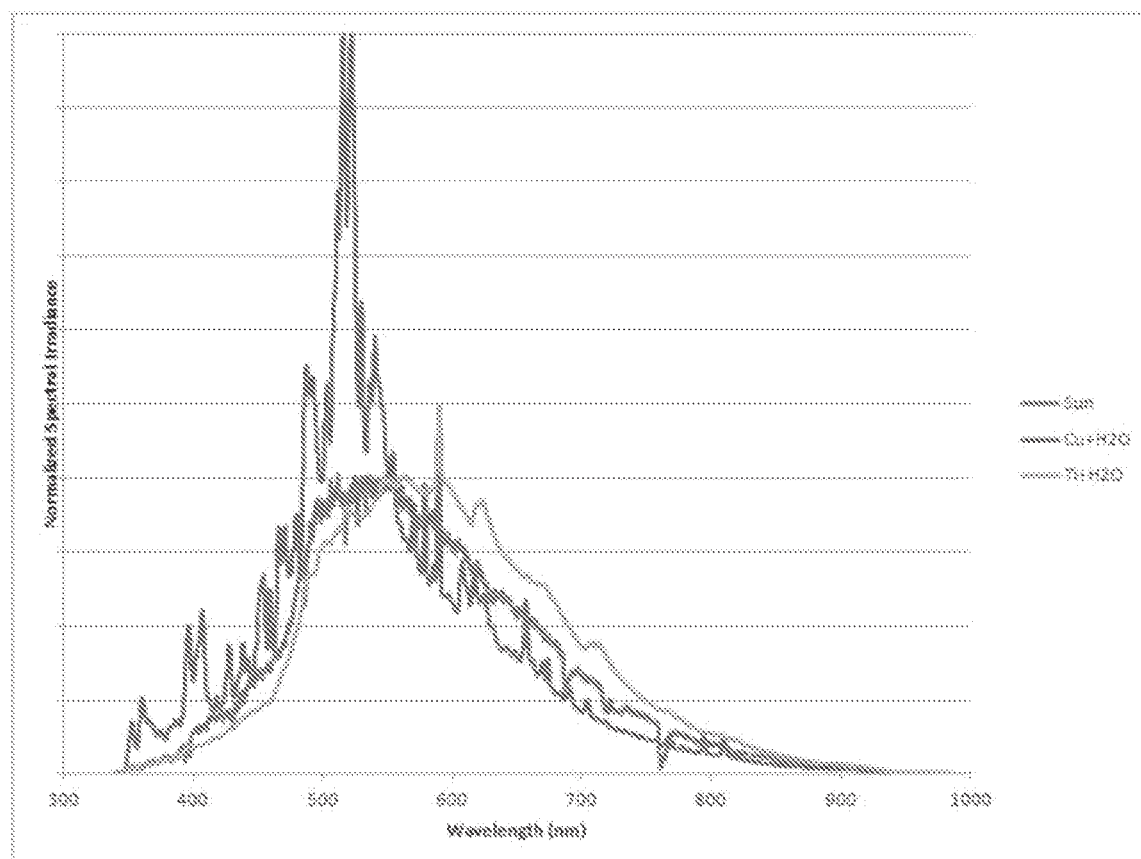


Fig. 24

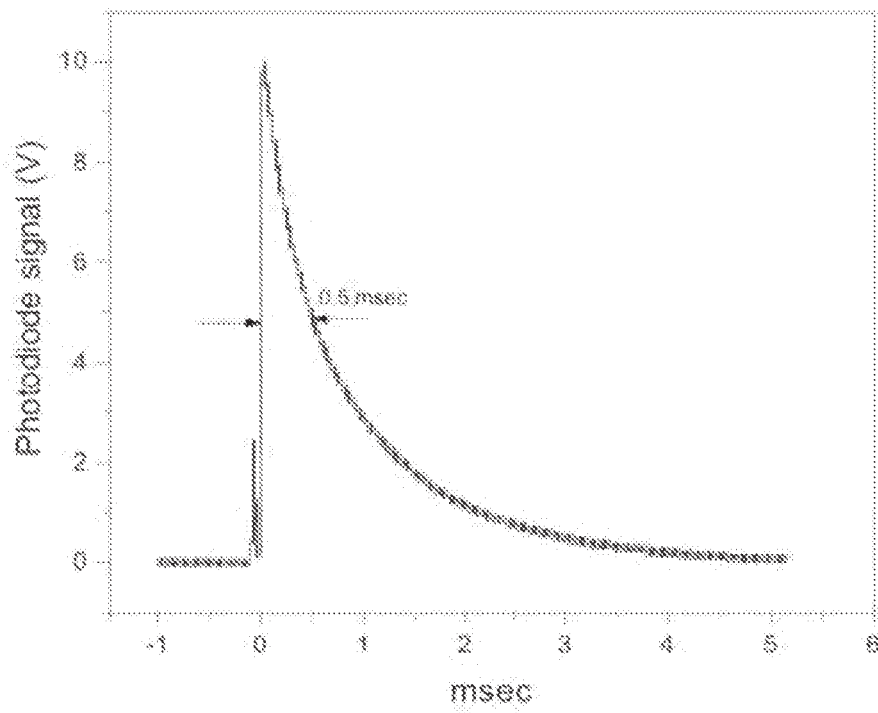
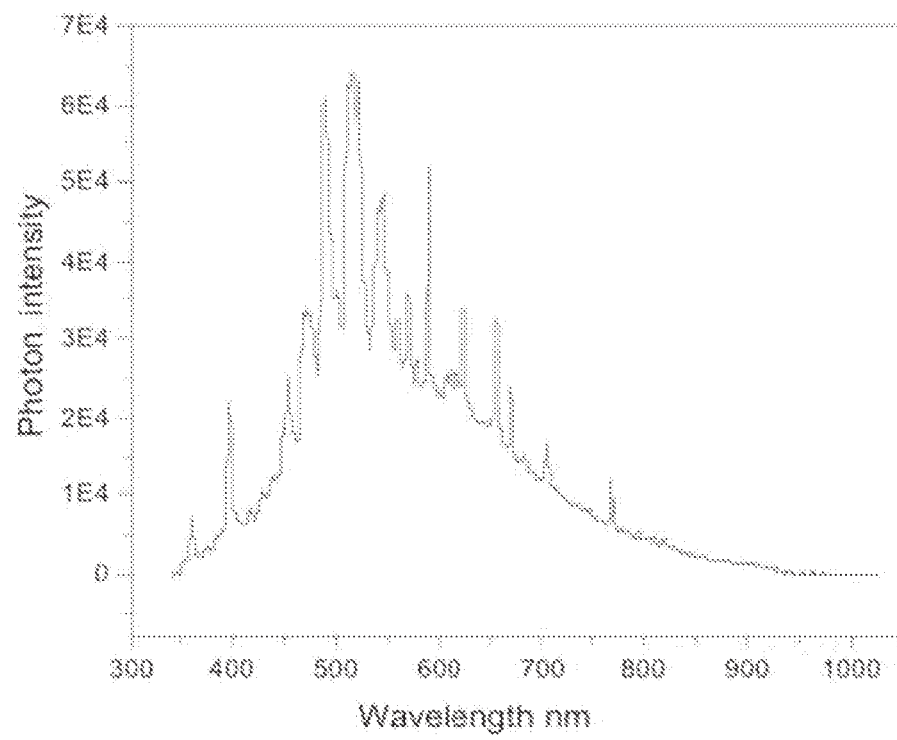
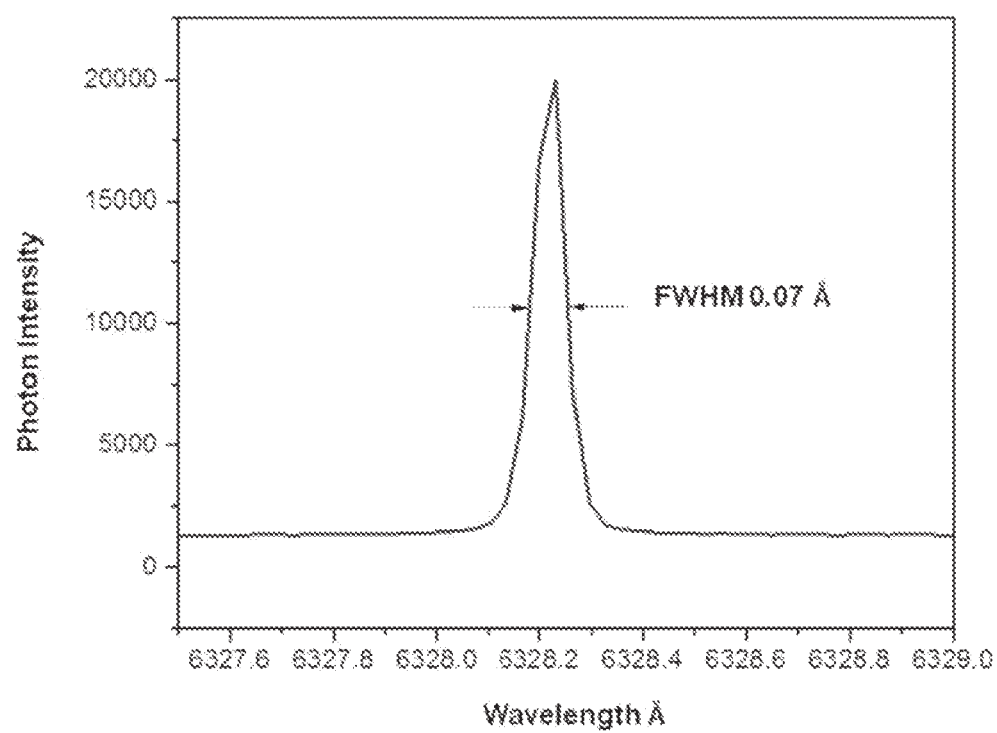


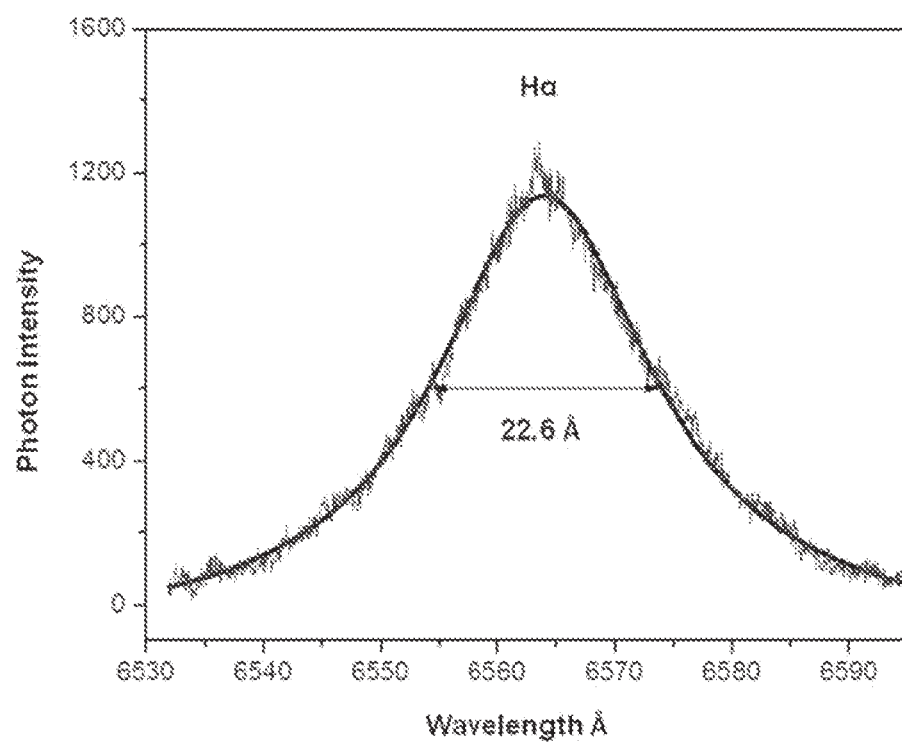
Fig. 25



Figs. 26A-B



(A)



(B)

Fig. 27

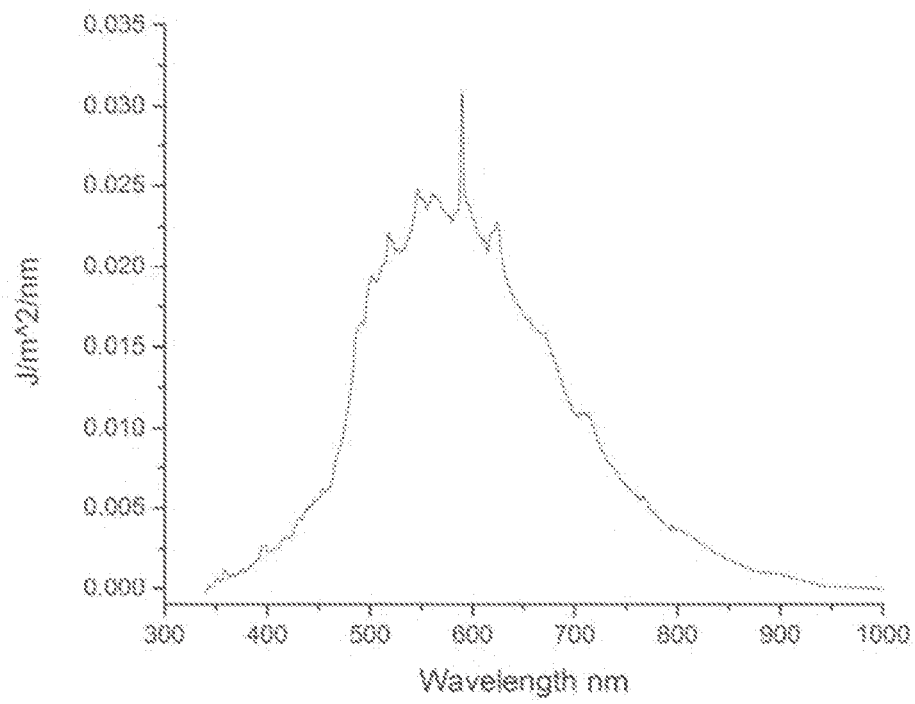


Fig. 28

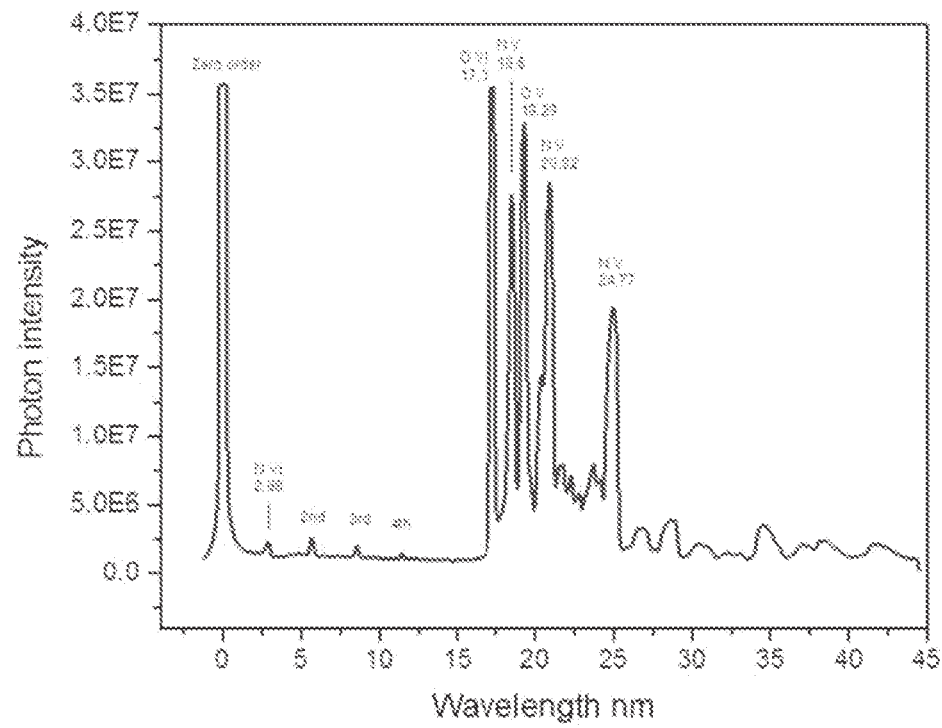


Fig. 29

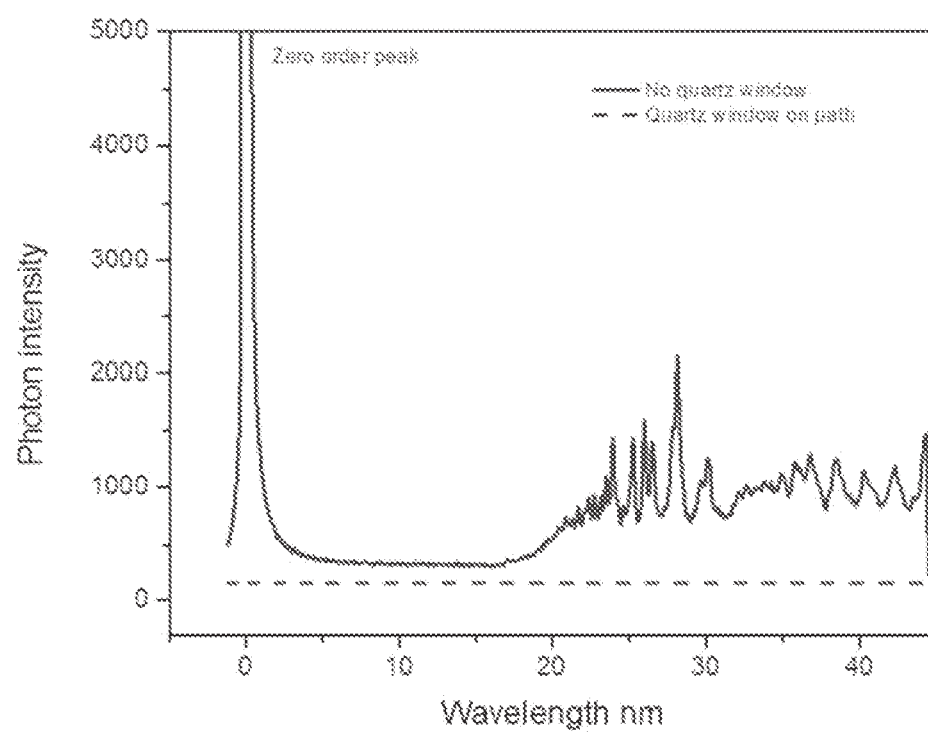


Fig. 30

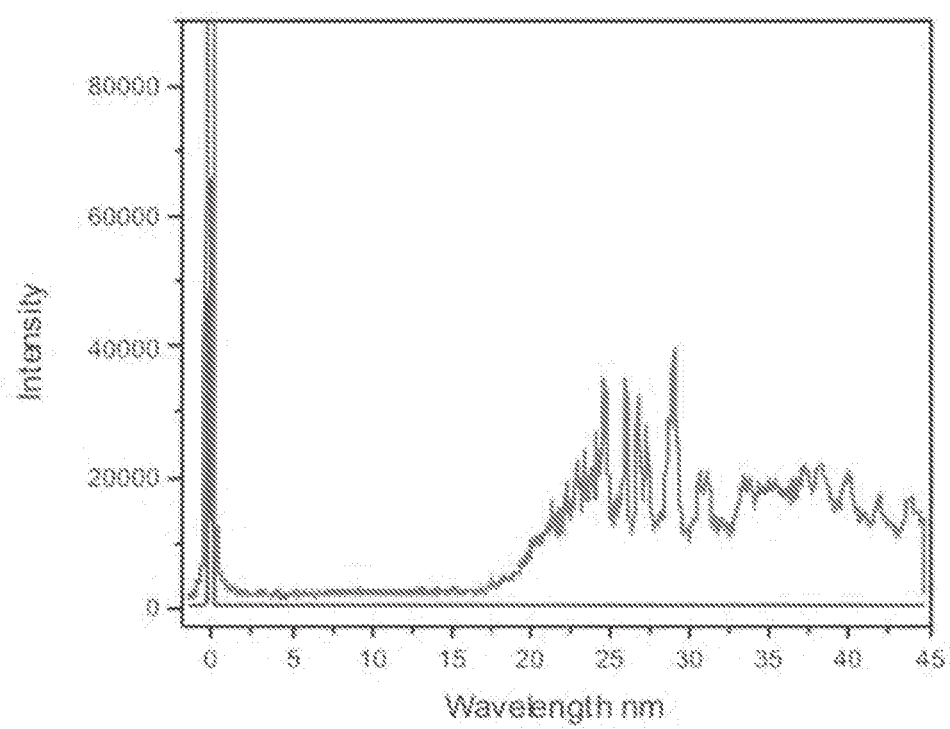


Fig. 31

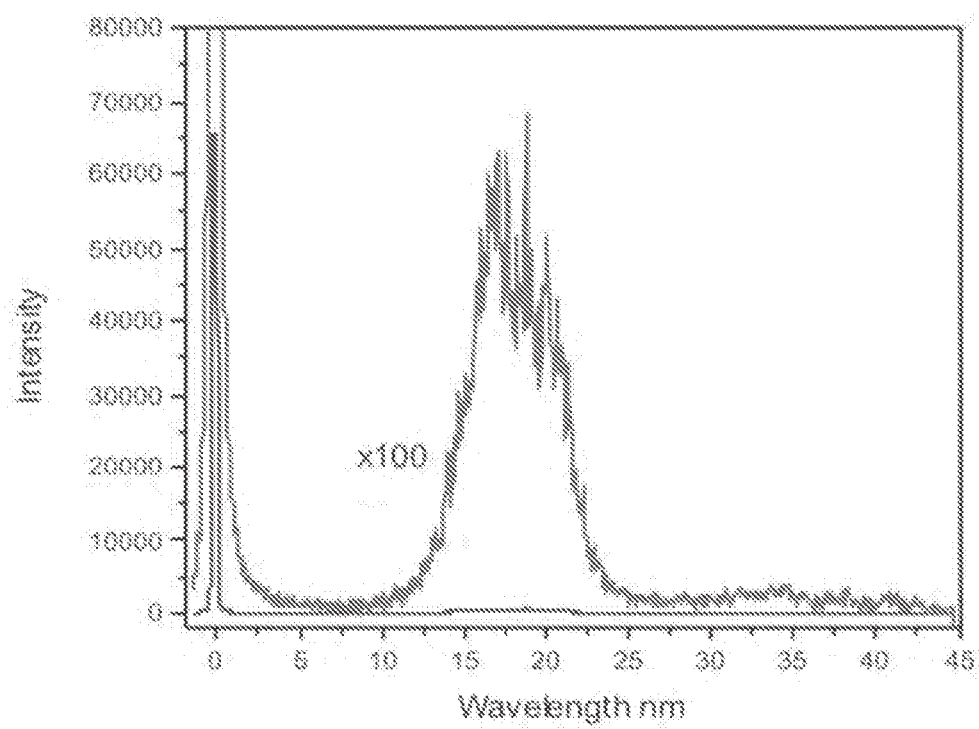


Fig. 32

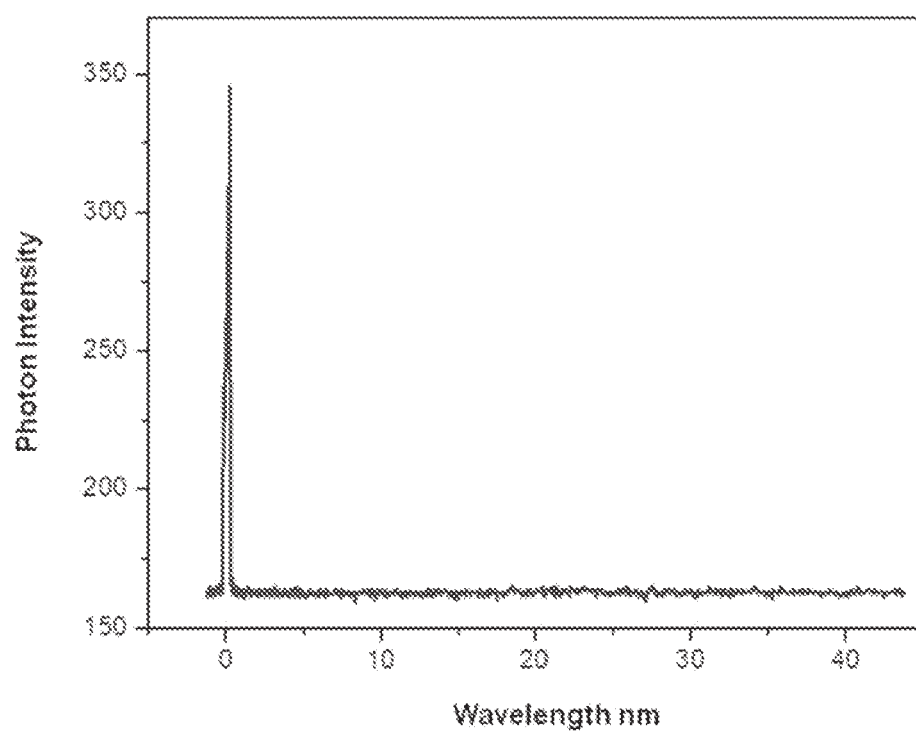


Fig. 33

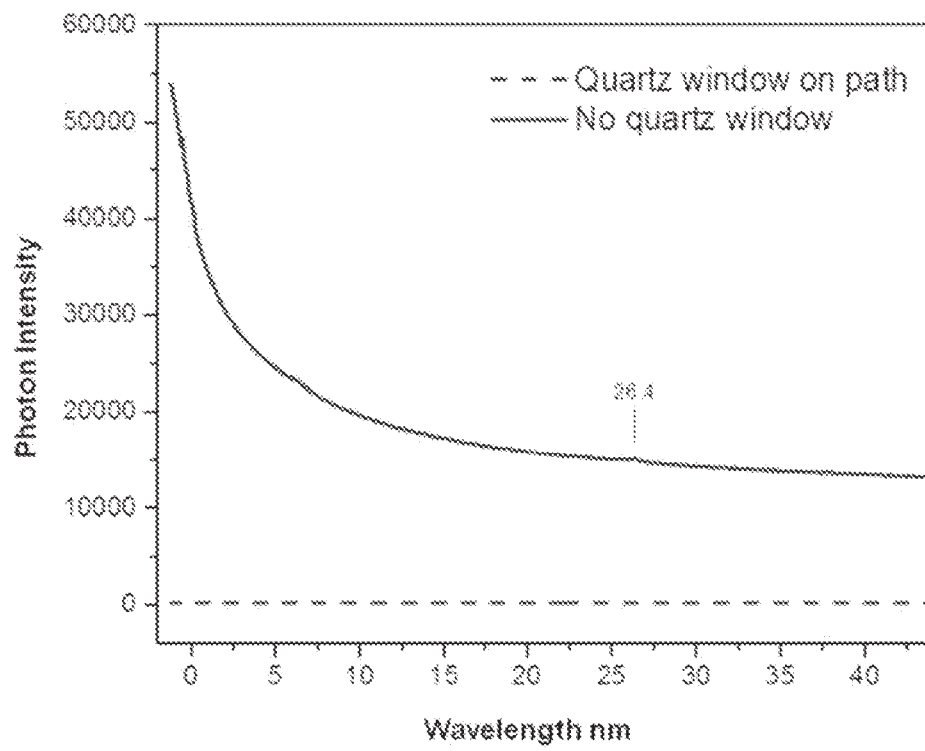


Fig. 34

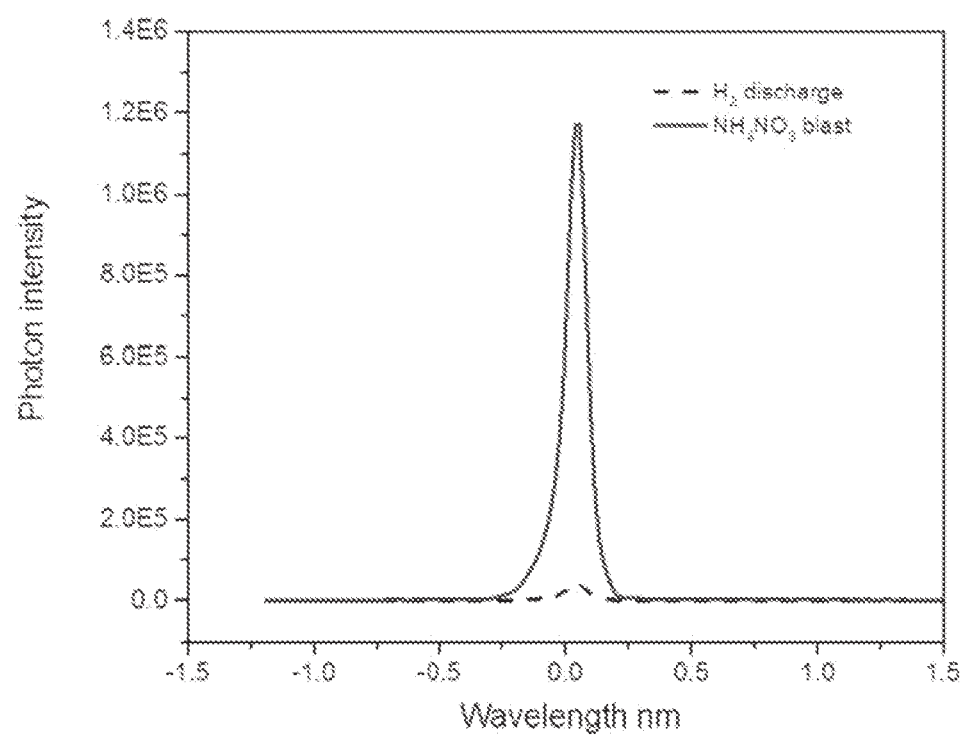


Fig. 35

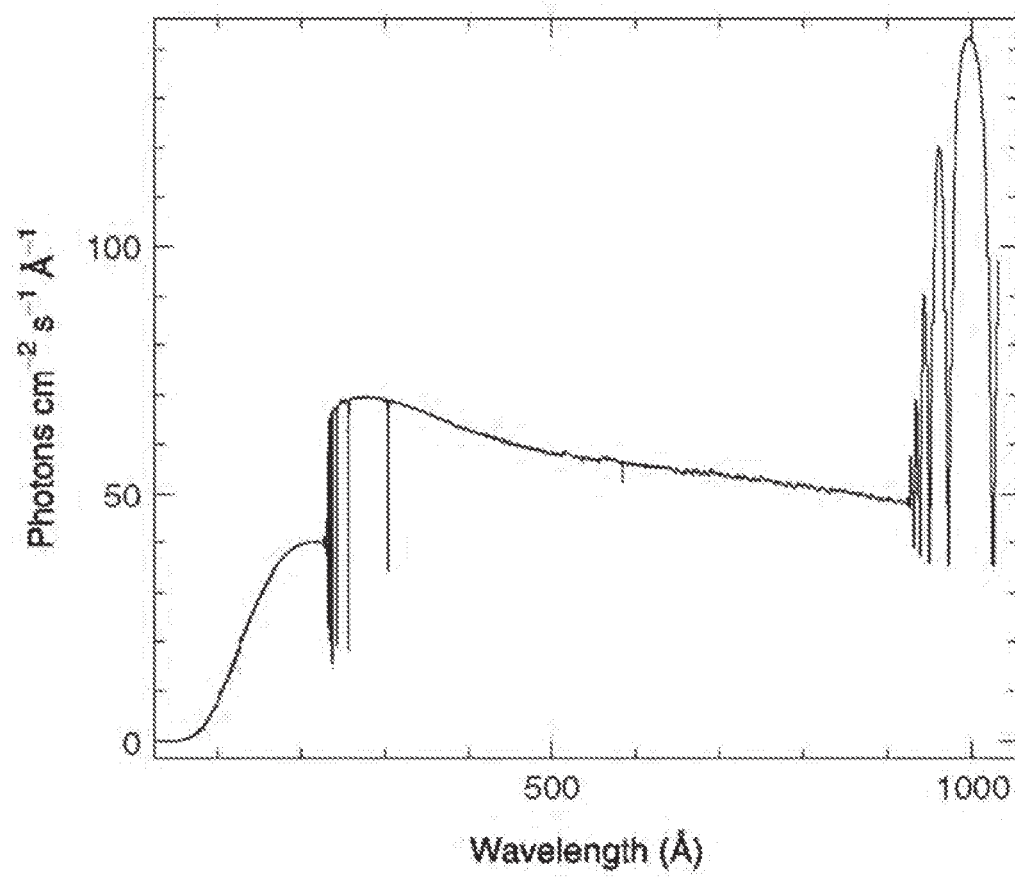


Fig. 36

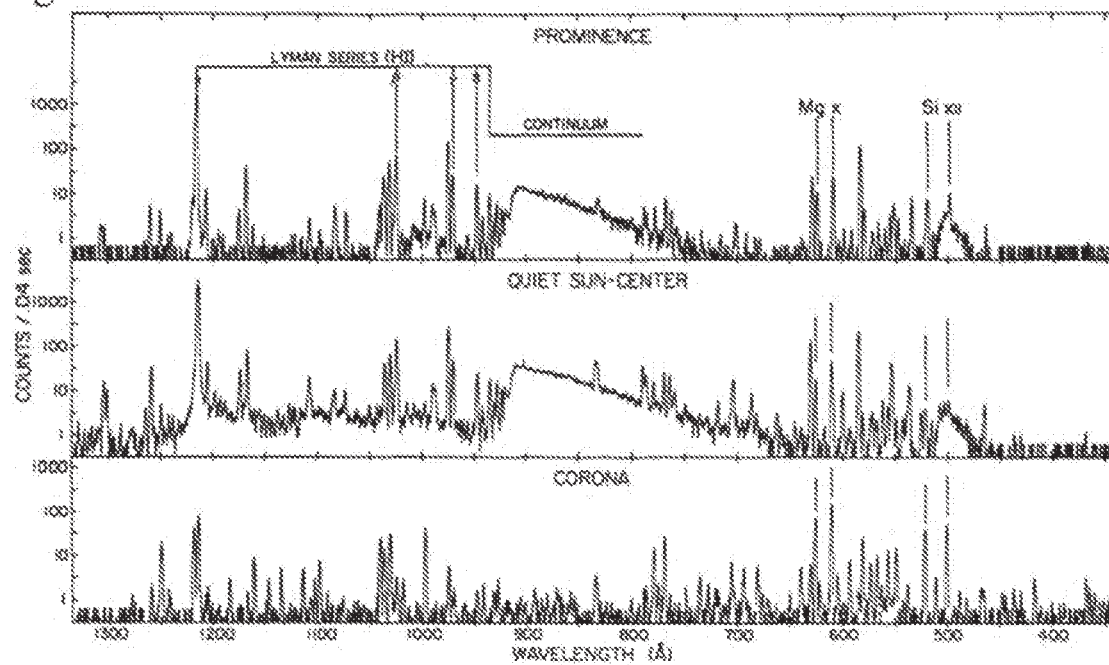


Fig. 37

