

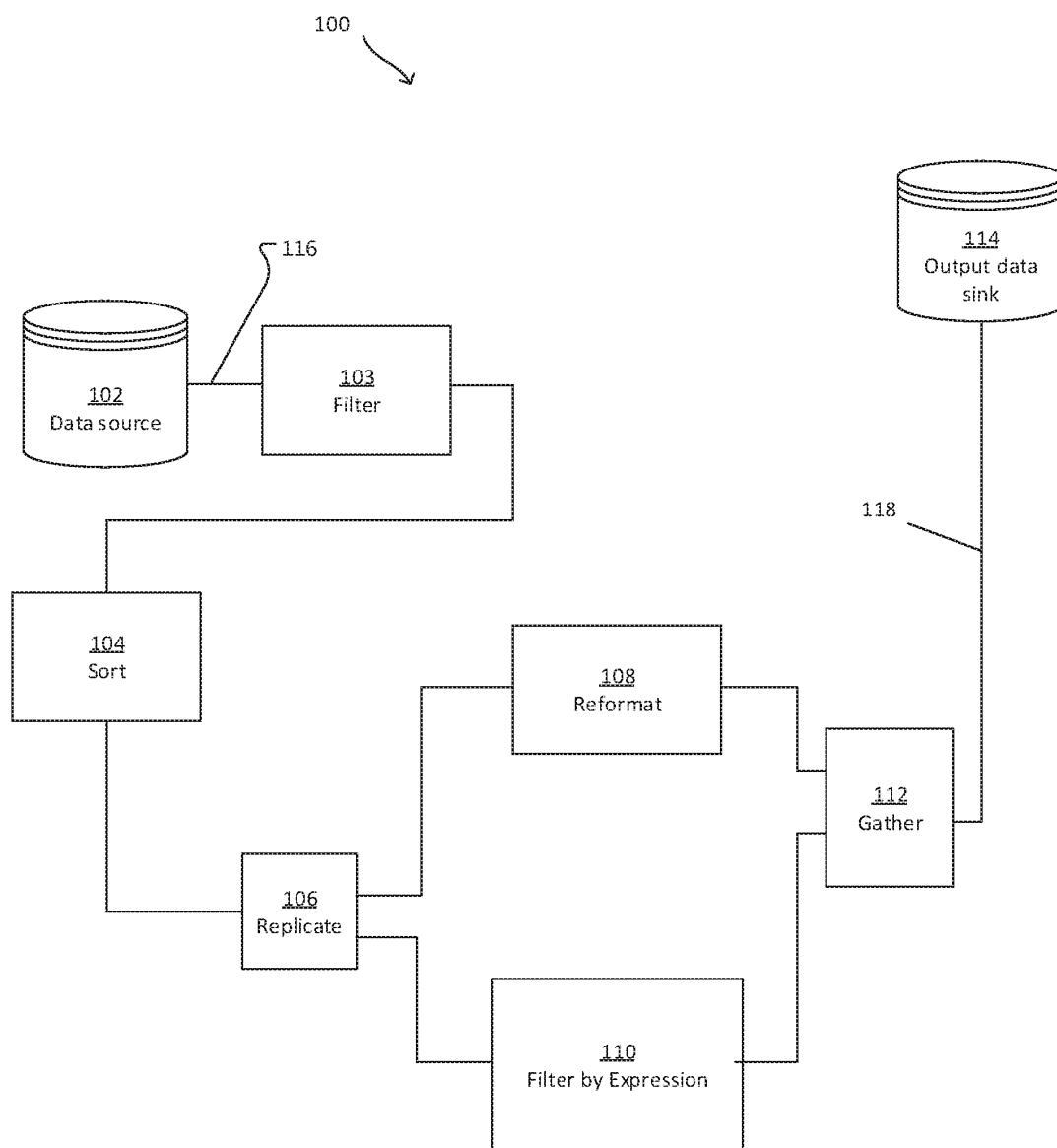


FIG. 1

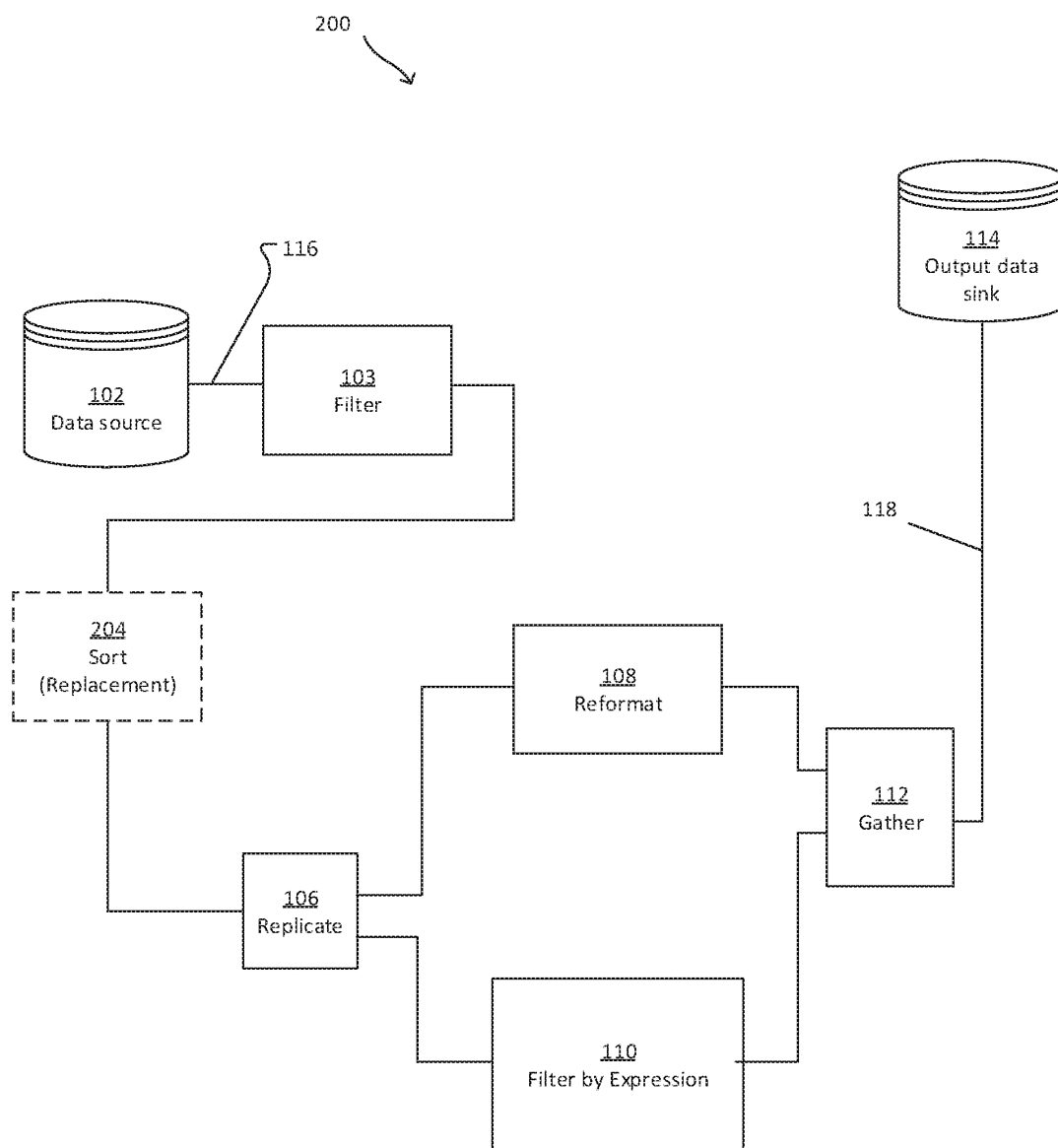


FIG. 2

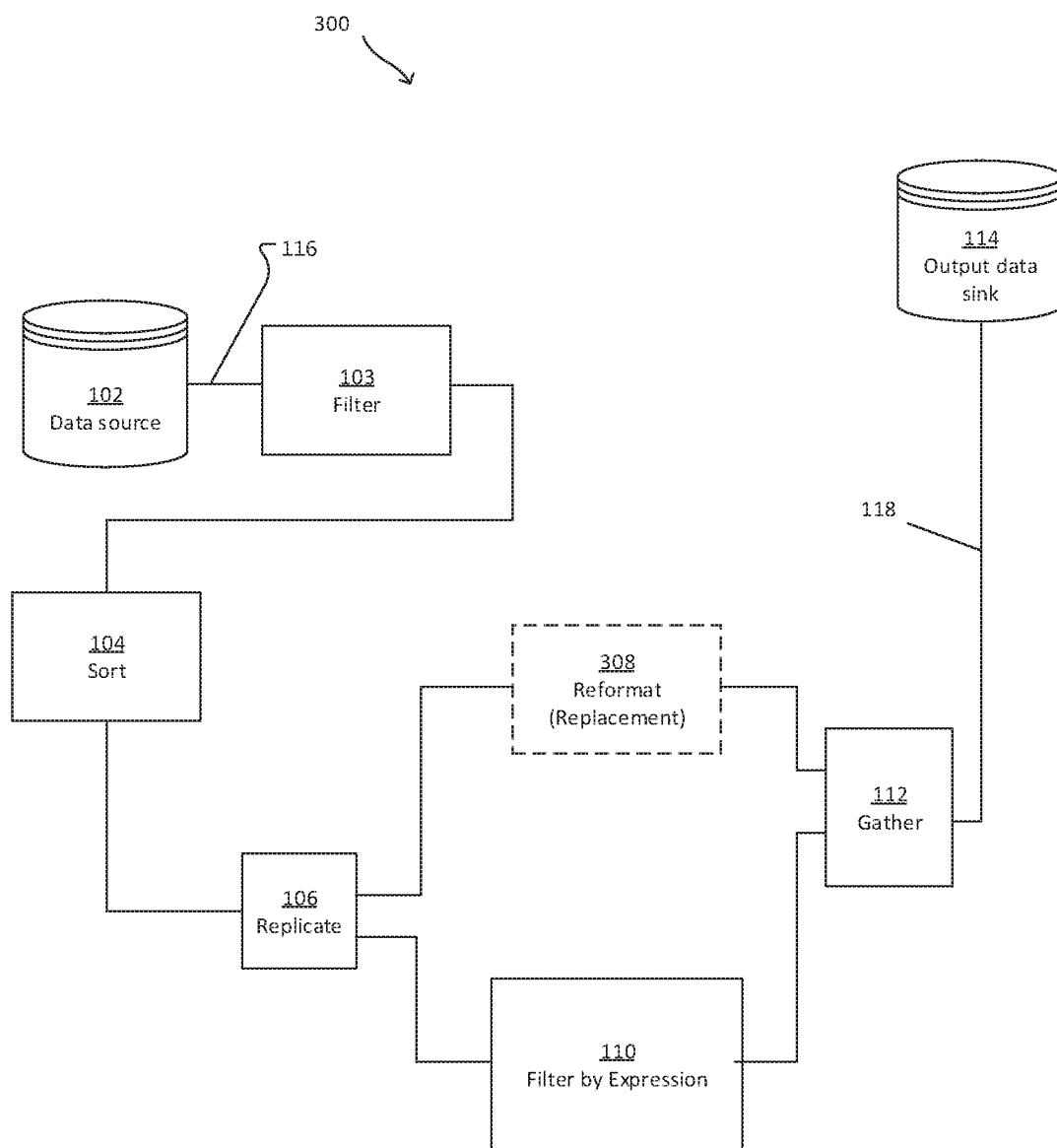


FIG. 3

200

201

213

FIG. 4

```

//Each overlay file starts with a 3-line header
1 // version
$AI_MP/example_graph.mp // The graph these insertions will be applied
to.
1 //order insertions on write
//end of header; beginning of first insertion
ins 1_source.dat // name of the insertion ← 202
Database/out // upstream port ← 204
Filter/in // downstream port ← 206
0 // sequence number at upstream port
0 // is_probe it's a test source ← 208
0 // is_local_file_probe ignored; only for probes
0 // is_phases_file_probe ignored; only for probes
0 // is_clean ignored; only for probes
1 // is_required ignored; only for probes
0 // is_modified
2 // number_of_parameters
!prototype_path|PF$||$AB_COMPONENTS/Database/Input_File.mdc ← 210
Layout!$||file:$AI_SERIAL/test source for replicate.dat ← 212
// end of first insertion; beginning of second insertion
ins 2.dat // name of the insertion ← 214
Gather/out // upstream port ← 216
OutputDataSource/in // downstream port ← 218
0 // sequence number at upstream port
1 // is_probe it's a probe ← 220
0 // is_local_file_probe
0 // is_phased_file_probe
0 // is_clean
1 // is_required
0 // is_modified ignored; only for test sources
1 // number_of_parameters
!prototype_path|PF$||$AB_COMPONENTS/Database/Output_File.mdc ← 222

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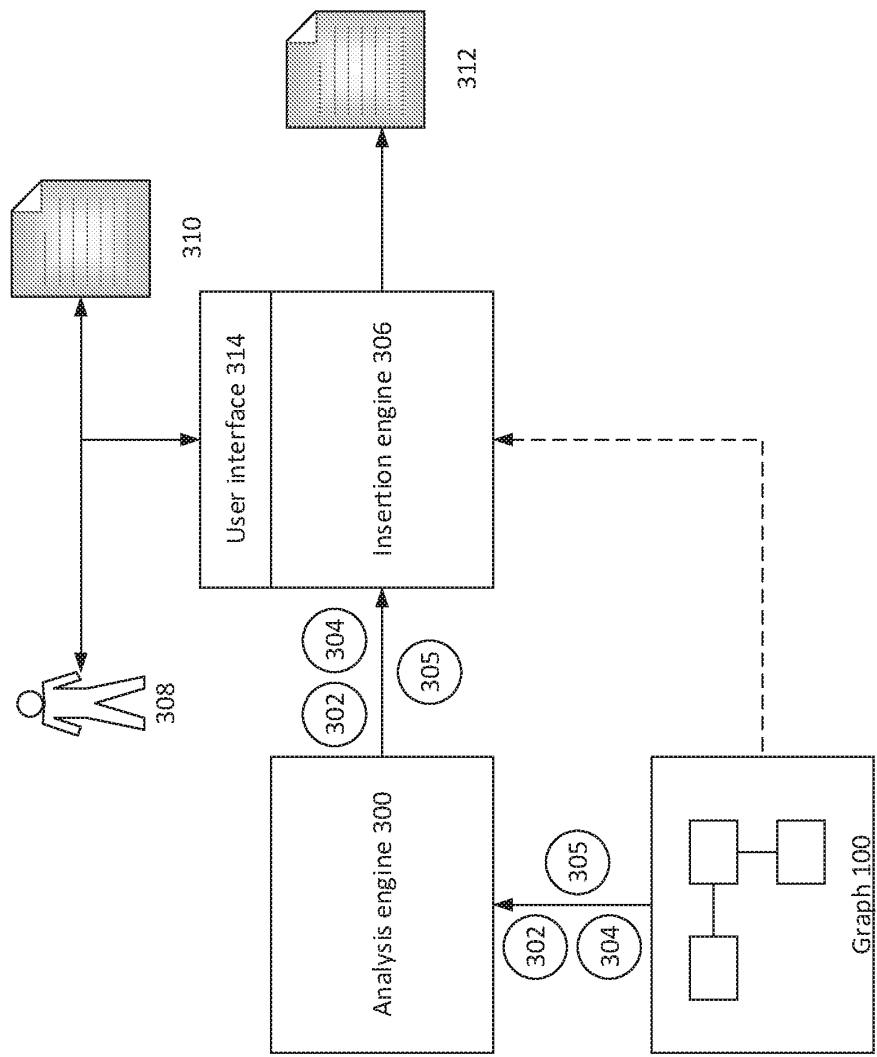


FIG. 5

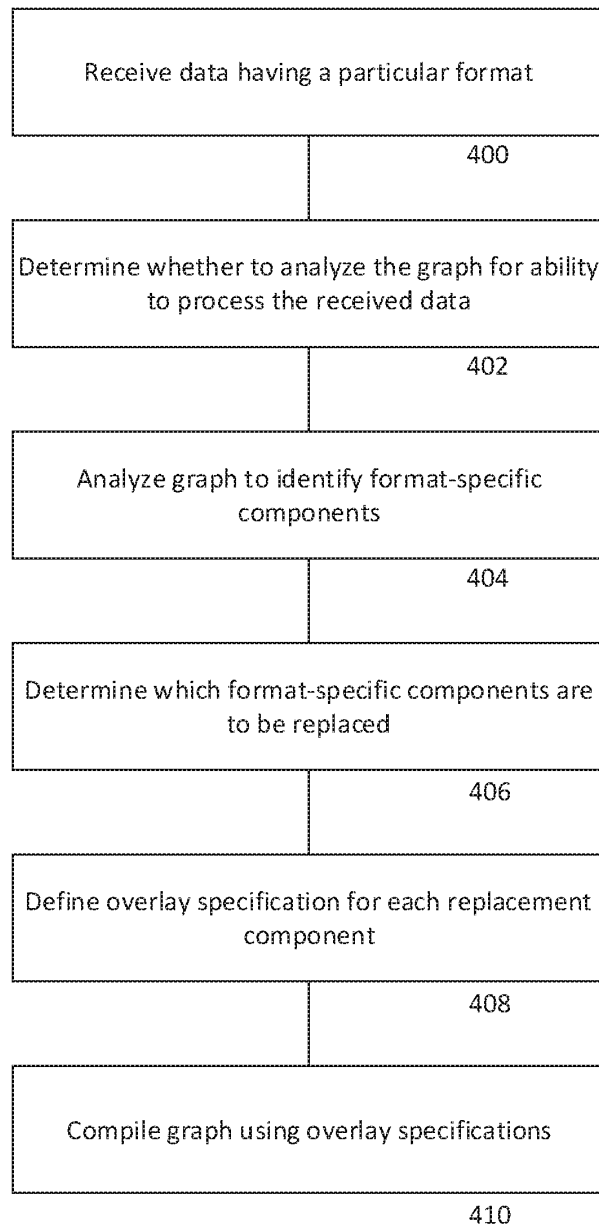


FIG. 6

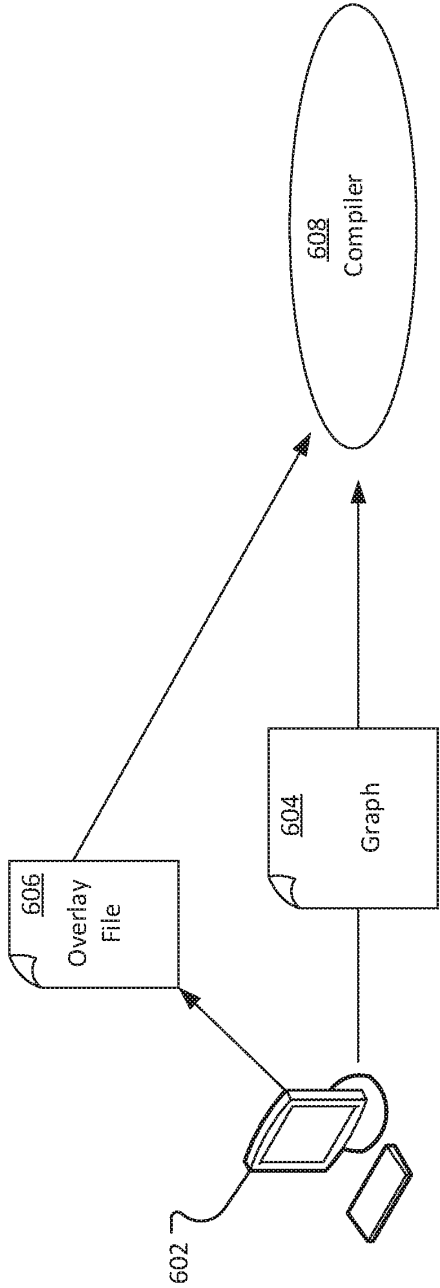


FIG. 7

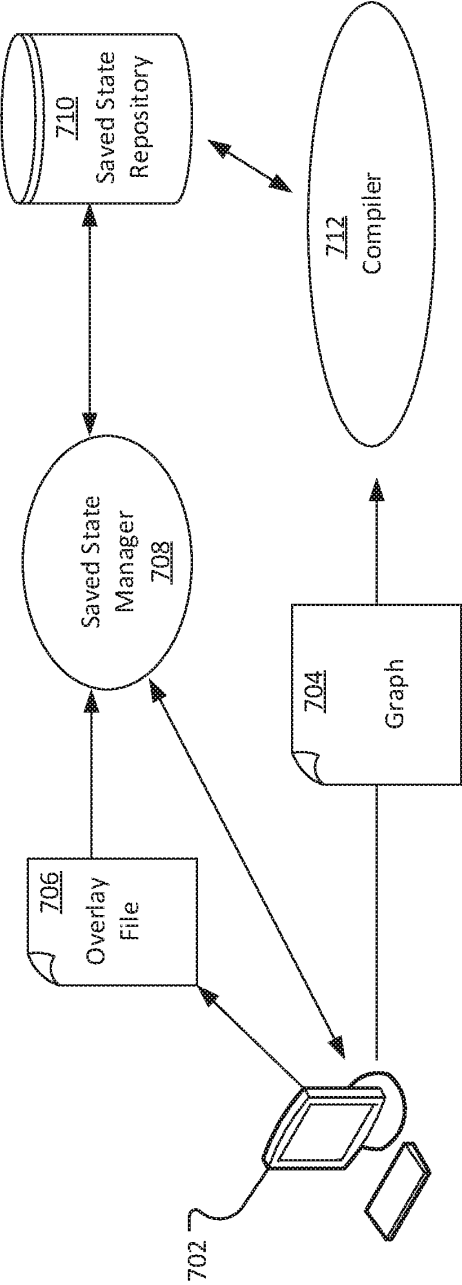


FIG. 8

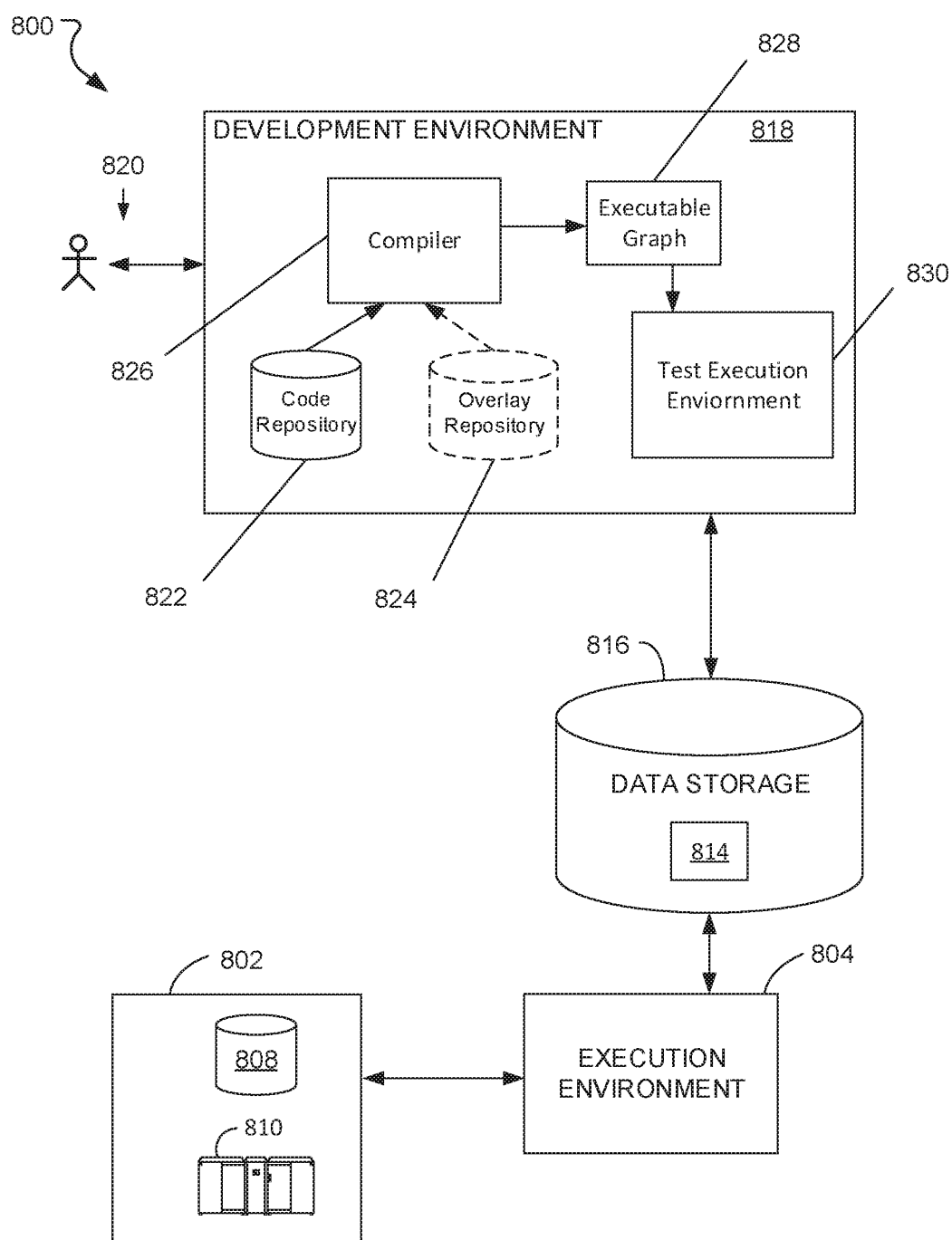


FIG. 9

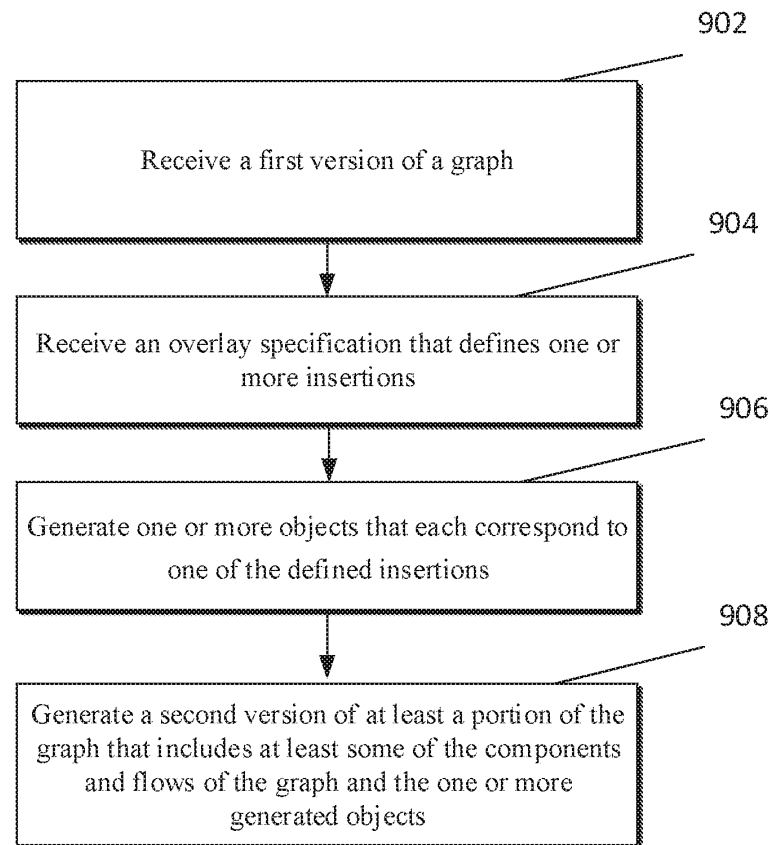


FIG. 10