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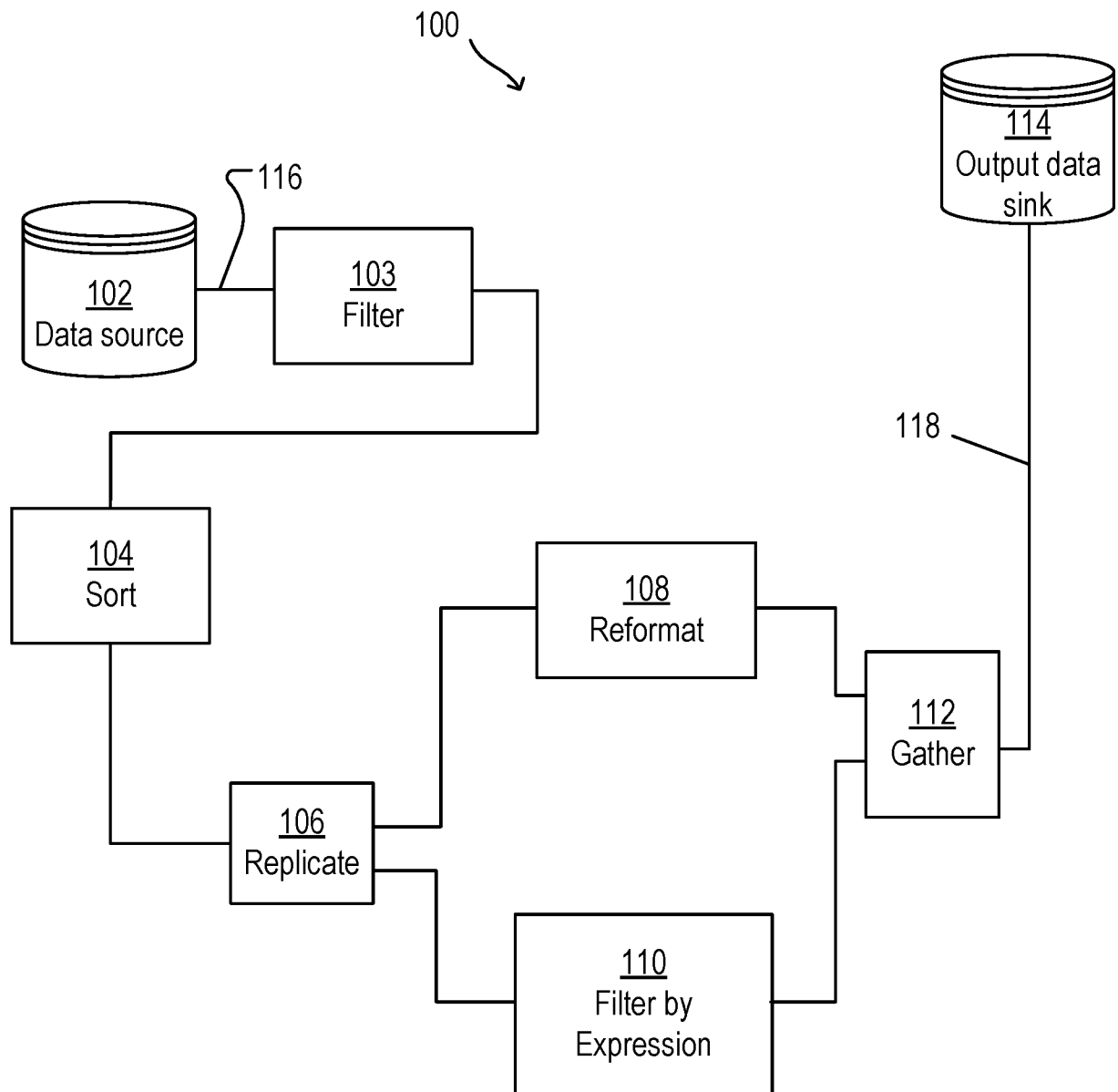


FIG. 1

```

// Each overlay file starts with a 3-line header
1 // version
$AI_MP/example_graph.mp // The graph these insertions will be applied
to.
1 // order insertions on write
// end of header; beginning of first insertion
ins_1_source dat // name of first insertion ← 202
Database/out // upstream port ← 204
Filter/in // downstream port ← 206
0 // sequence number at upstream port
0 // is_probe it's a test source ← 208
0 // is_local_file_probe ignored; only for probes
0 // is_phased_file_probe ignored; only for probes
0 // is_modified
2 // number_of_parameters
!prototype_path|P|$|SAB_COMPONENTS/Datasets/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|RF|$|SAB_COMPONENTS/Datasets/Output_File.mdc ← 222

```

FIG. 2

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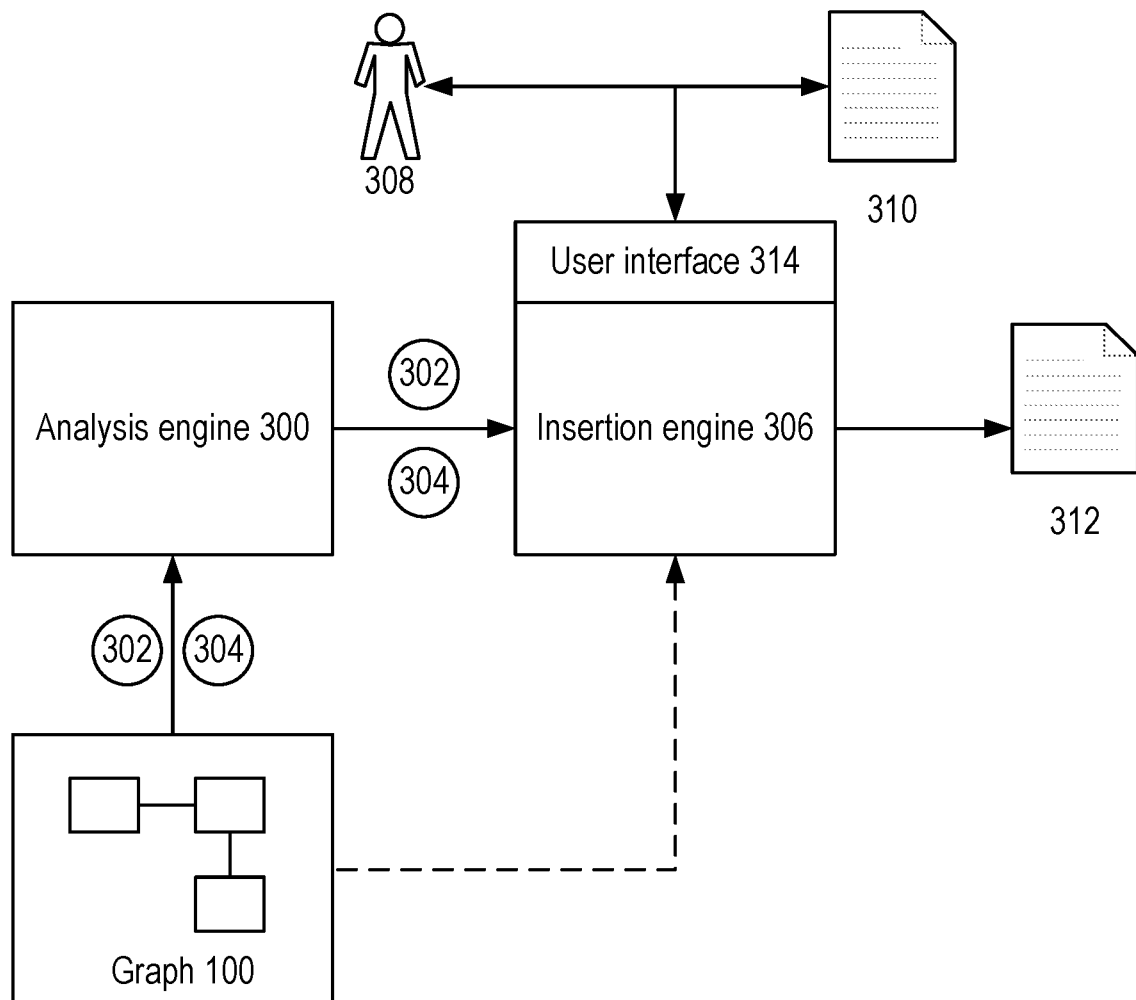


FIG. 3

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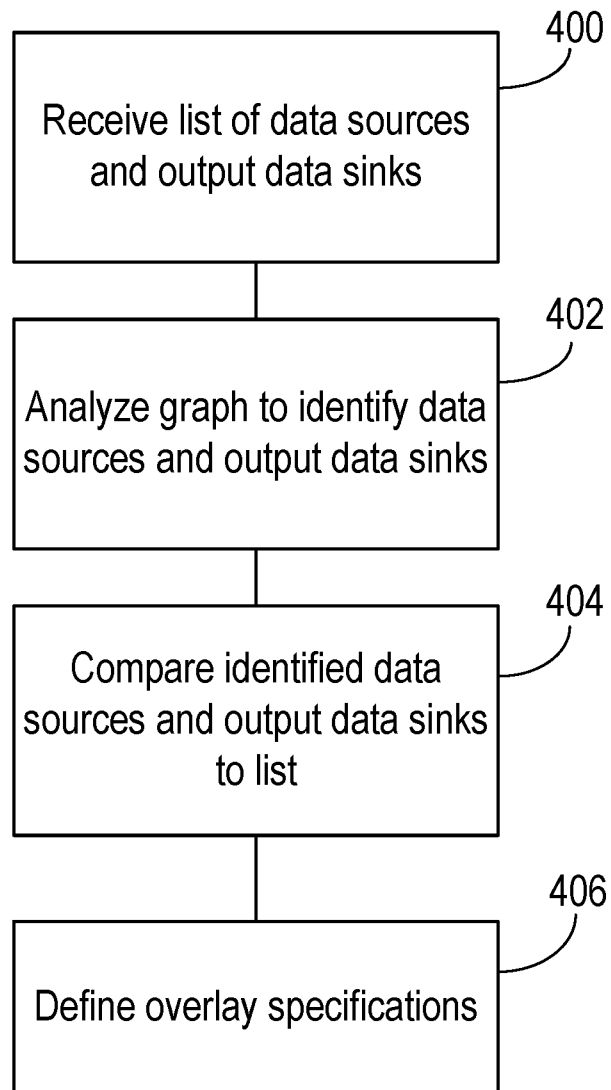


FIG. 4

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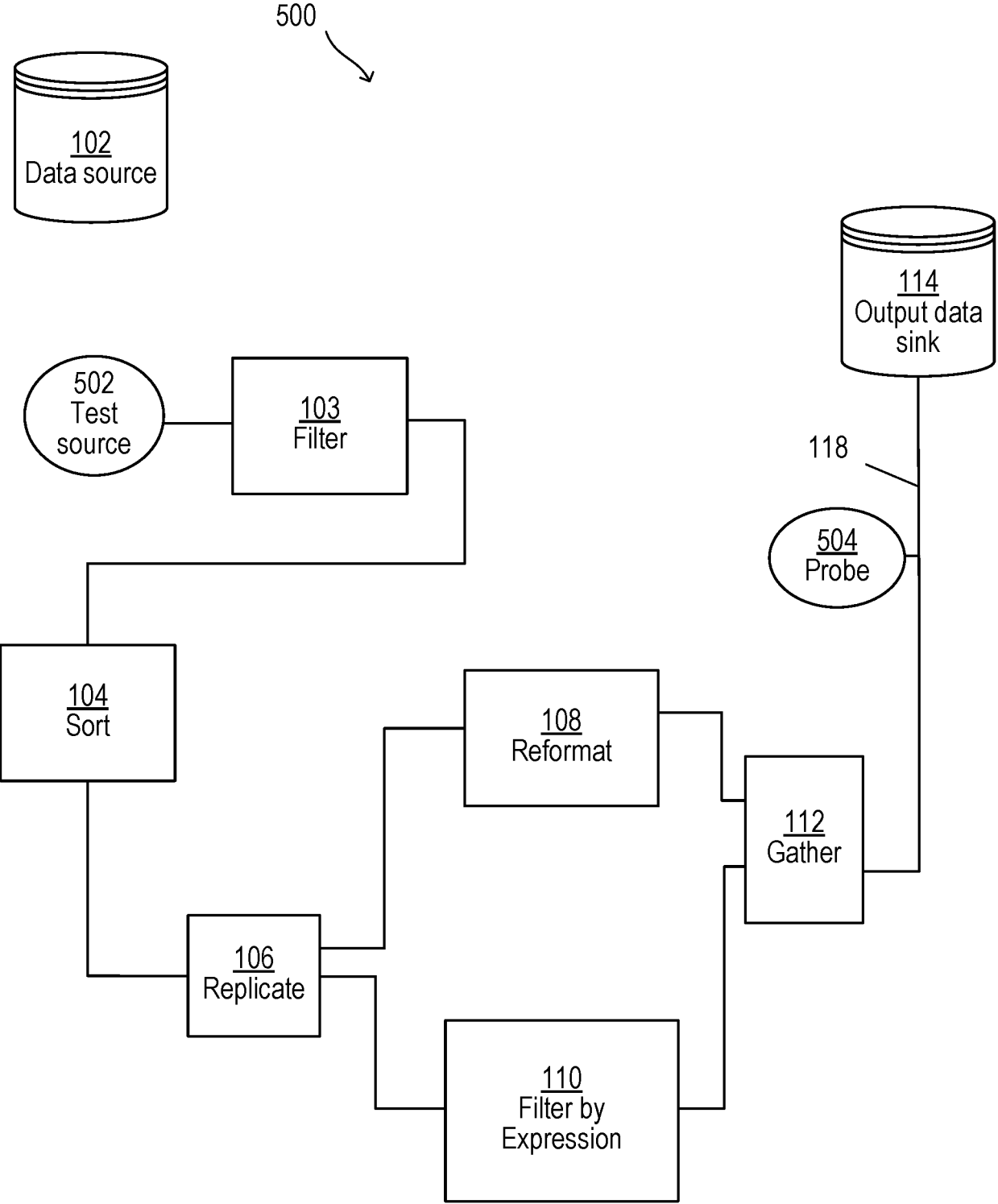


FIG. 5A

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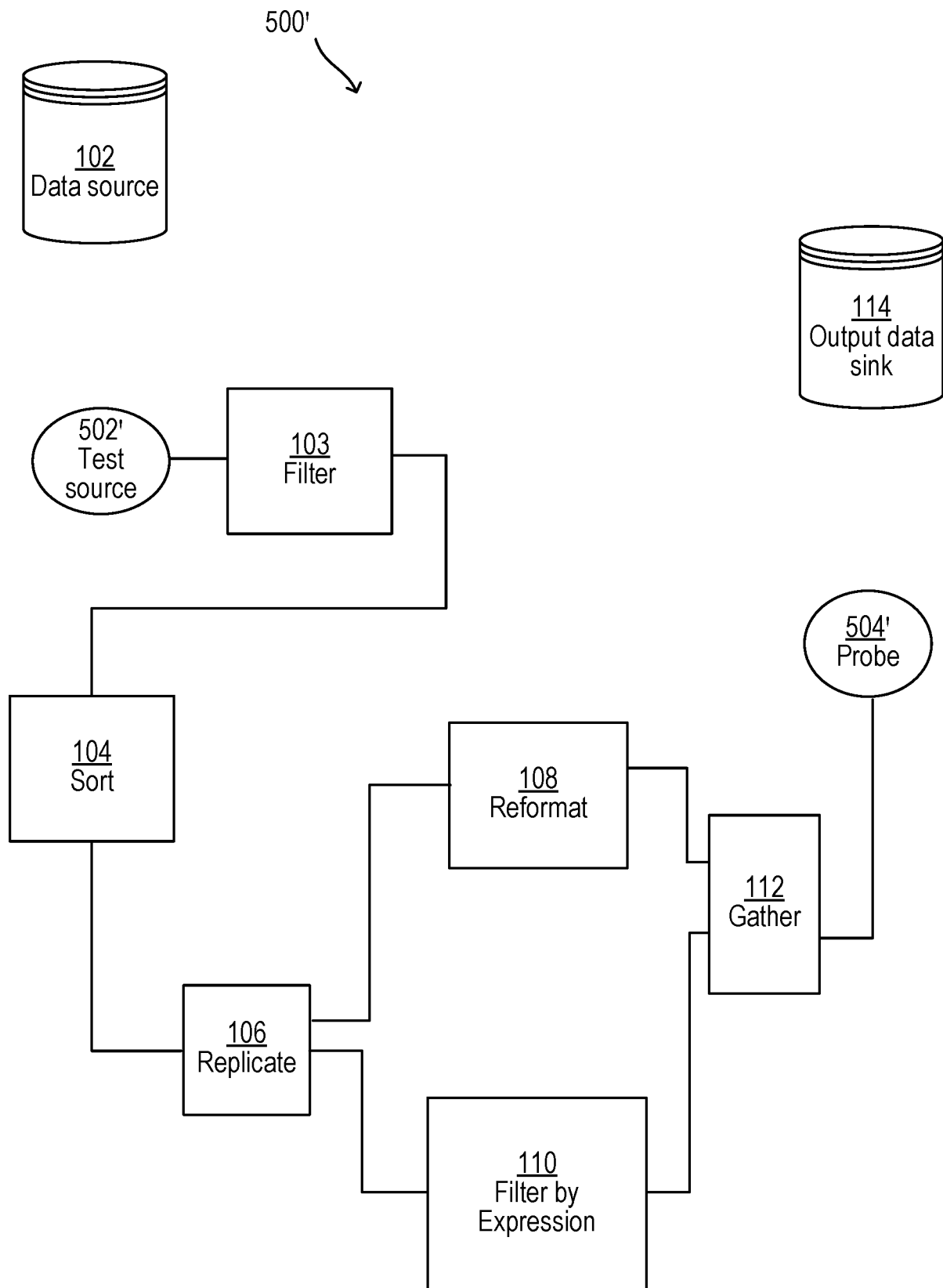


FIG. 5B

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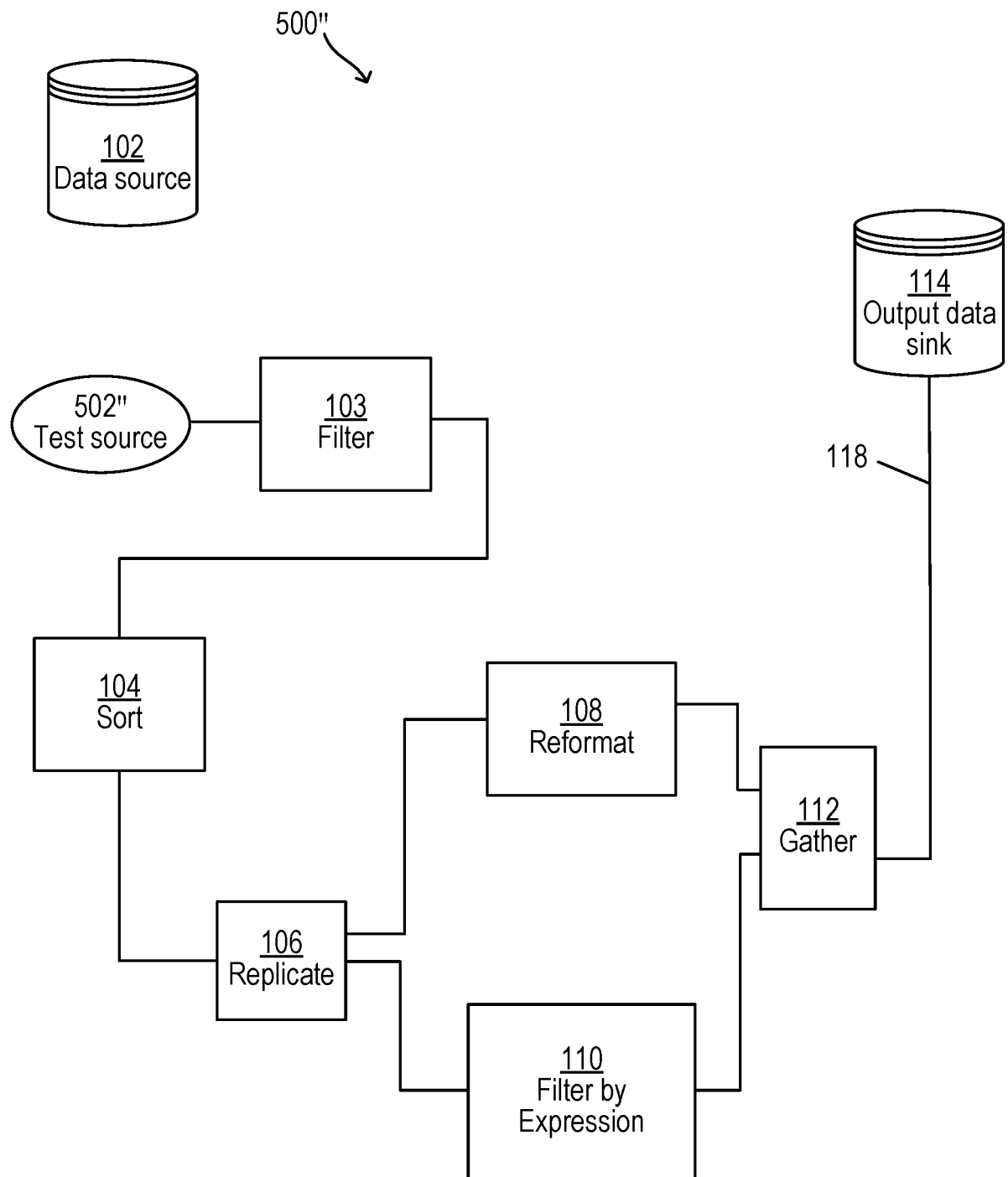


FIG. 5C

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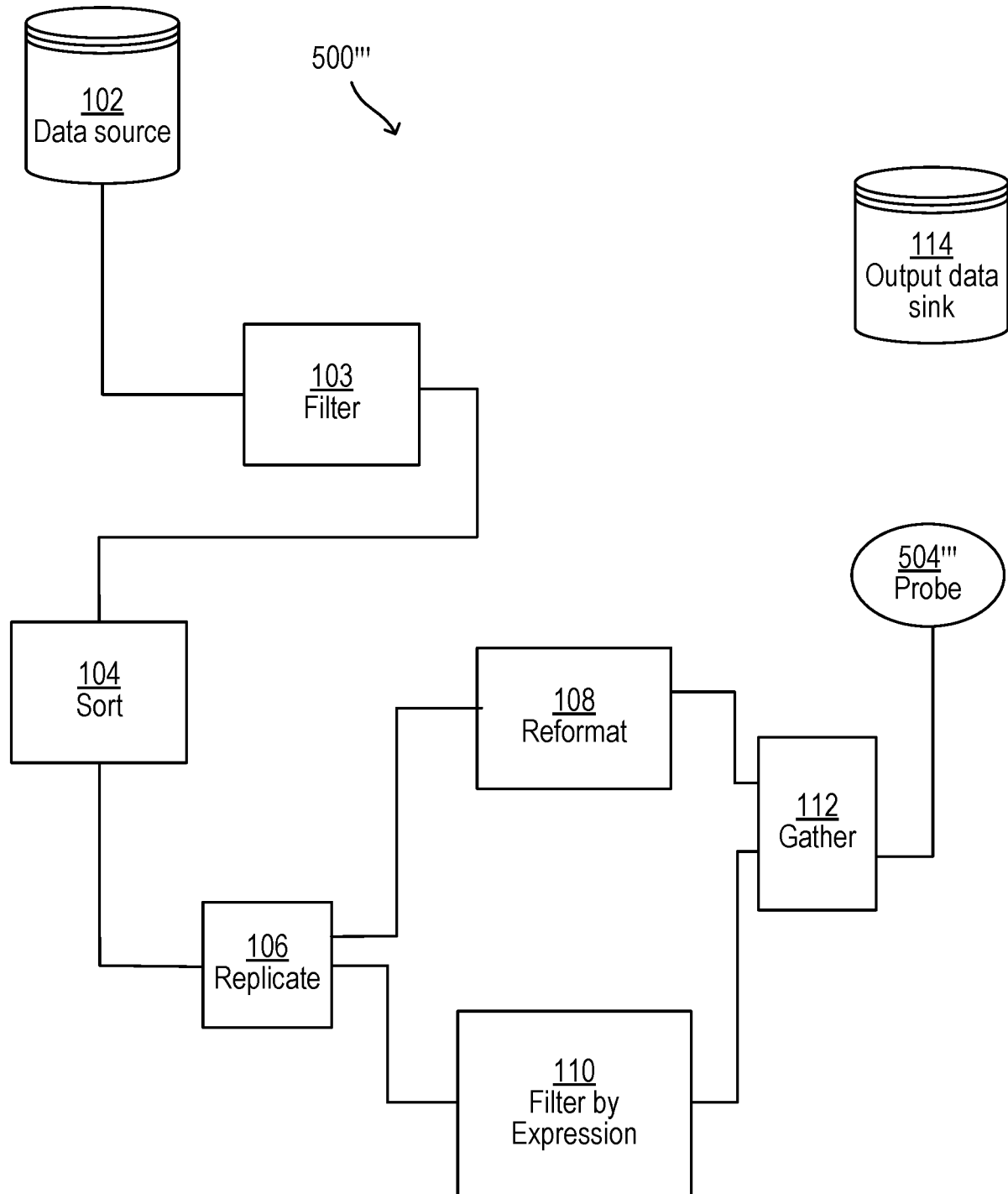


FIG. 5D

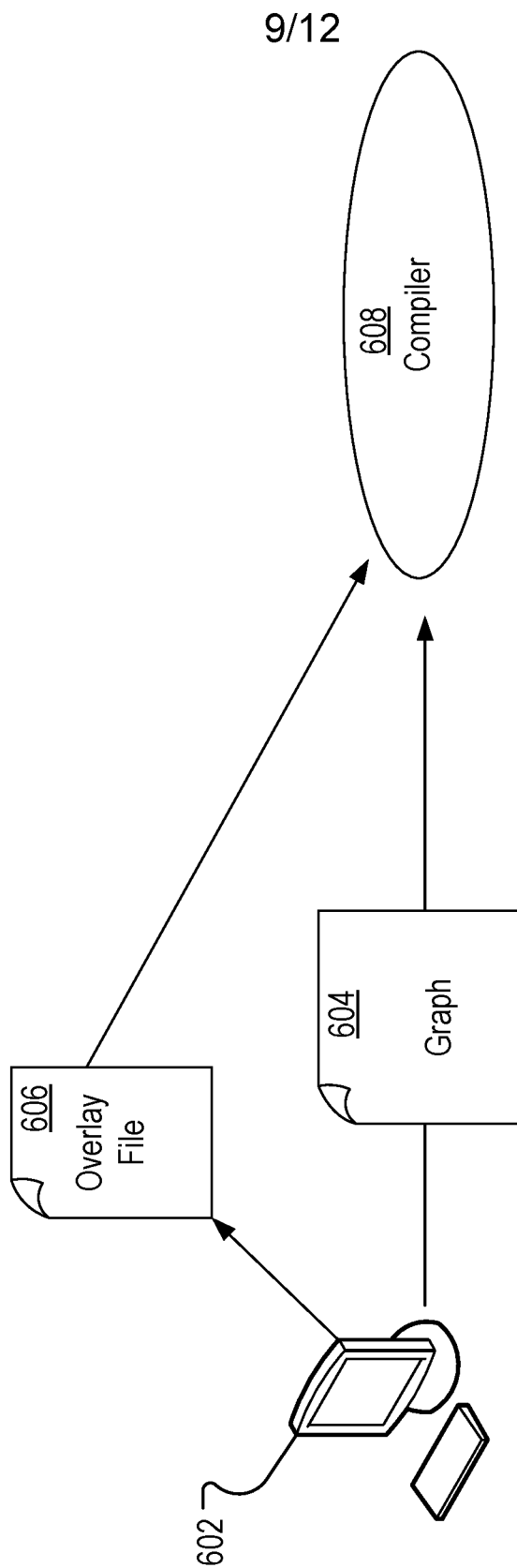


FIG. 6

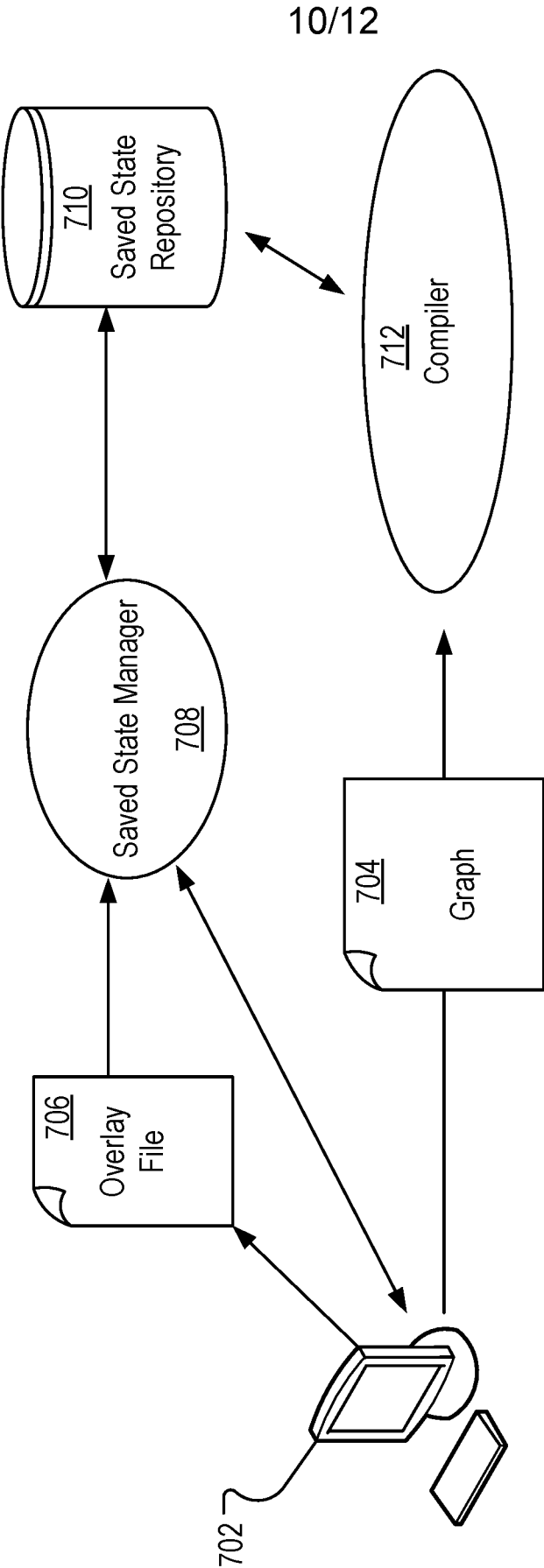


FIG. 7

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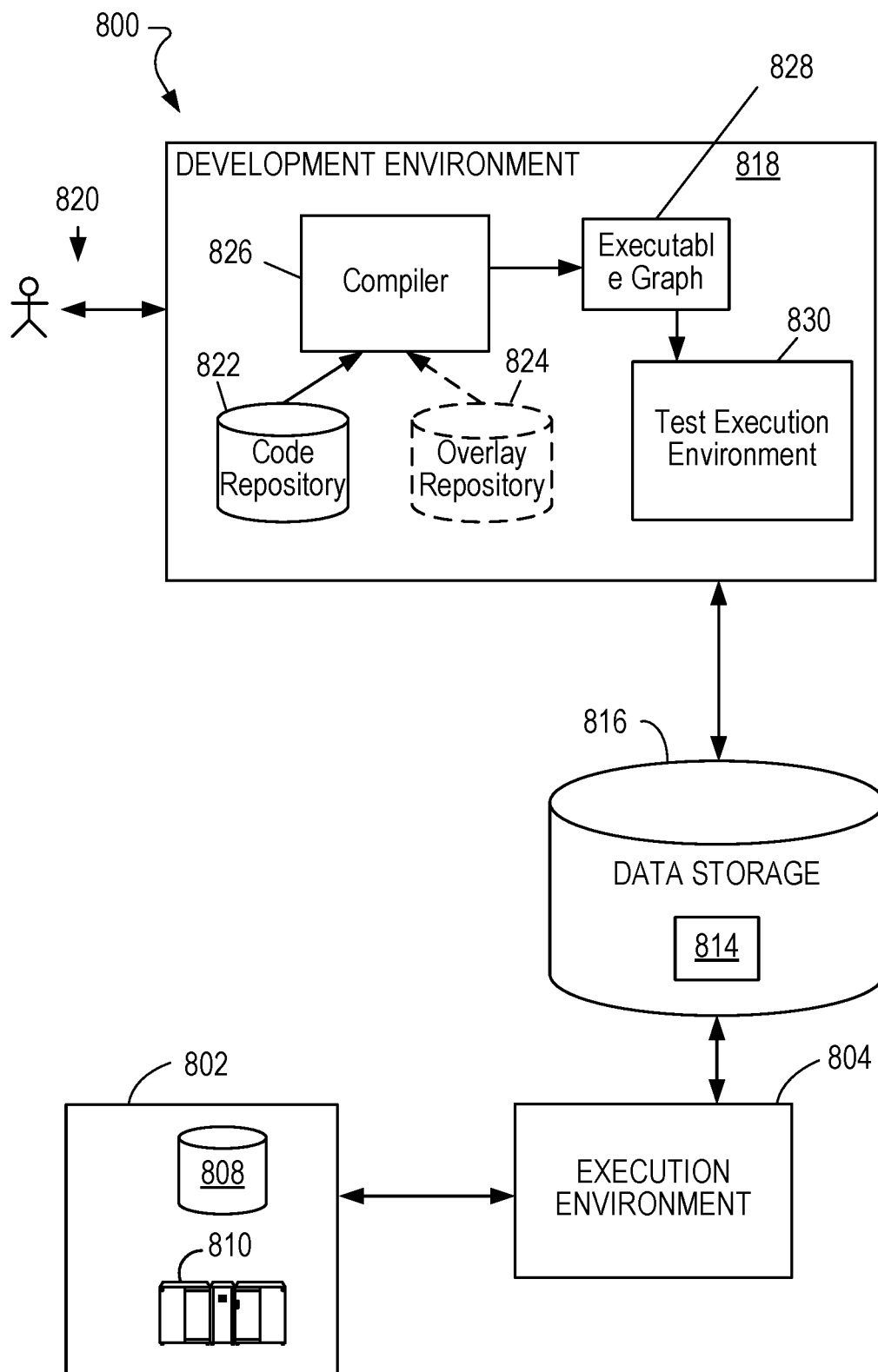


FIG. 8

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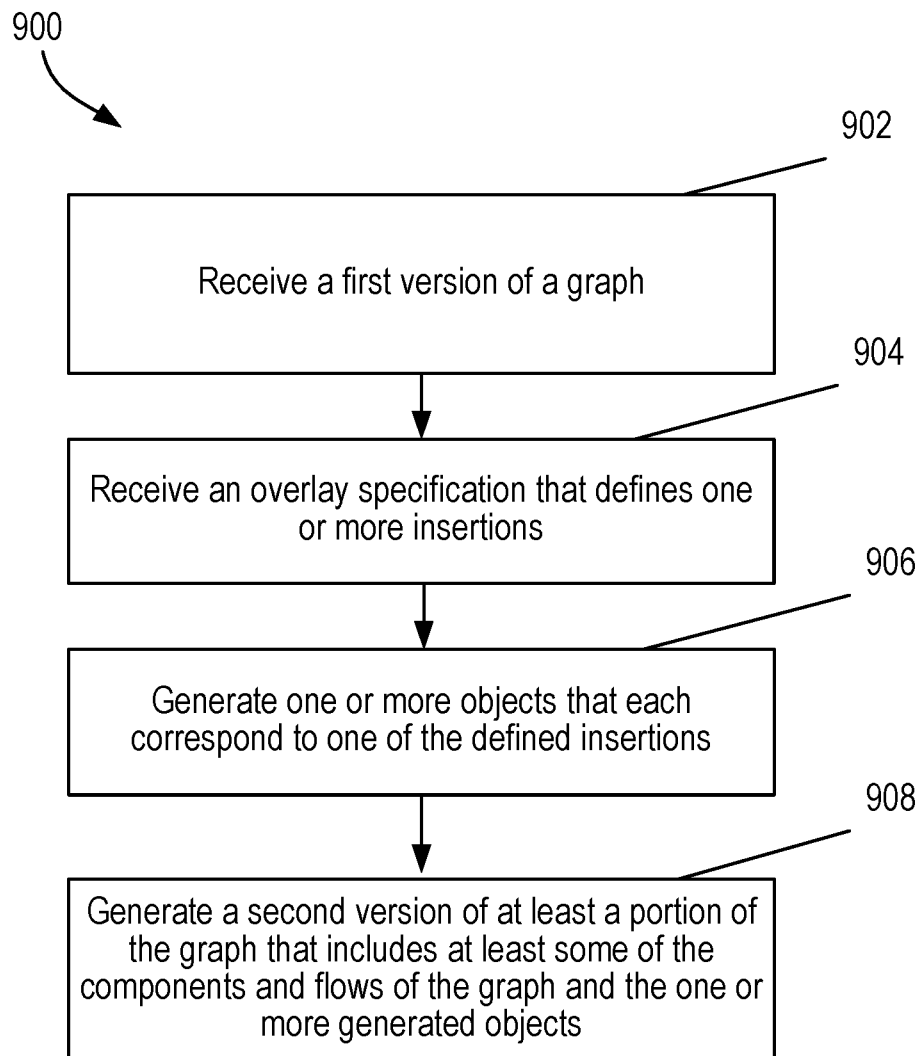


FIG. 9