

FIG. 1

- ❖ An example for a custom replaceable component class 200 implemented for presenting pie chart SCC for an investment portfolio component 209 for a given account number.
- ❖ At line 1, an object instance 207 initialized by passing an account number (e.g. 40021729) for building SCC the portfolio pie chart 209 for the given investment account. Line 2 adds the SCC to a parent to present the SCC.

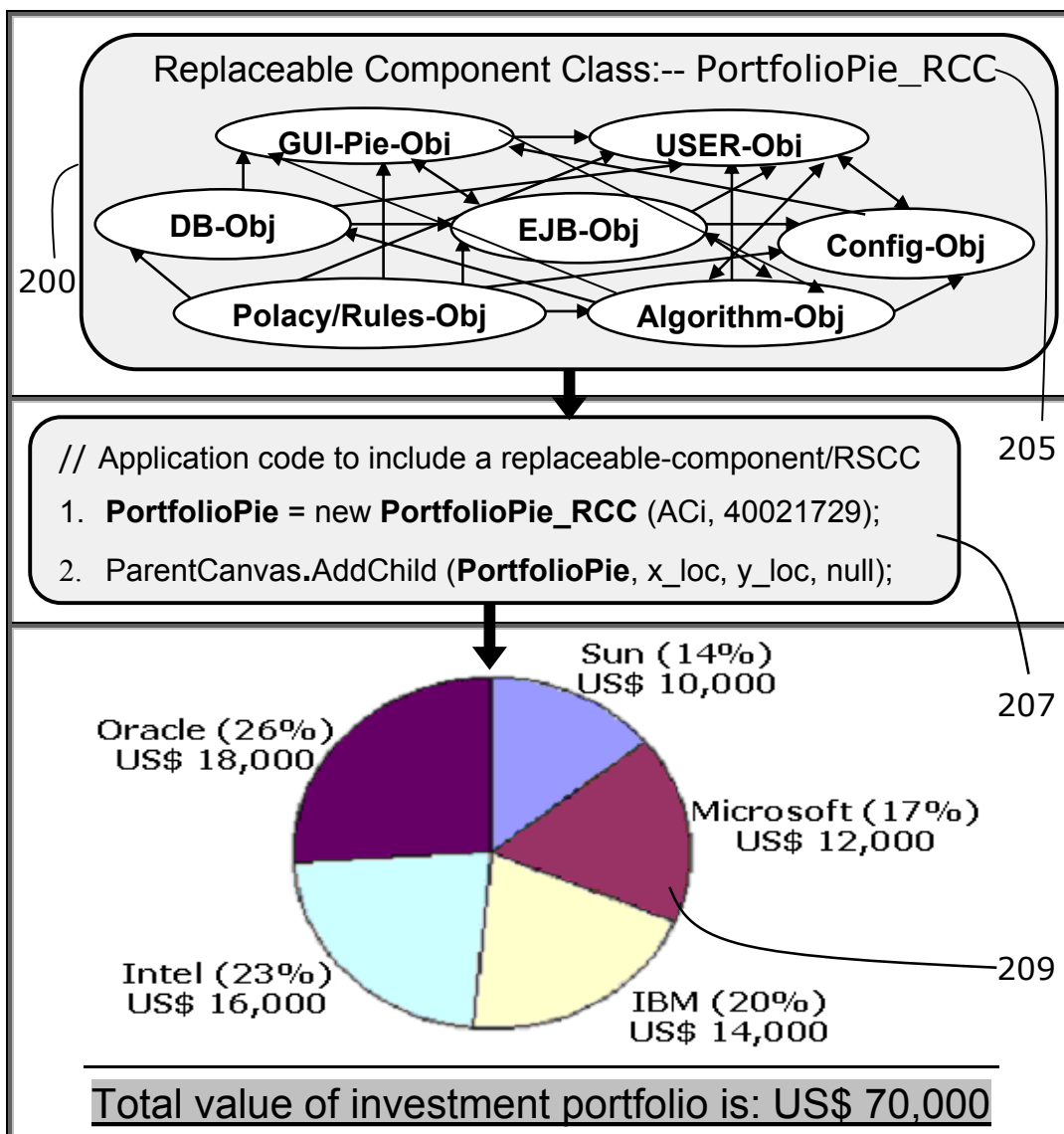


FIG. 2

## Using reusable class for GUI-components to build a Container-Component

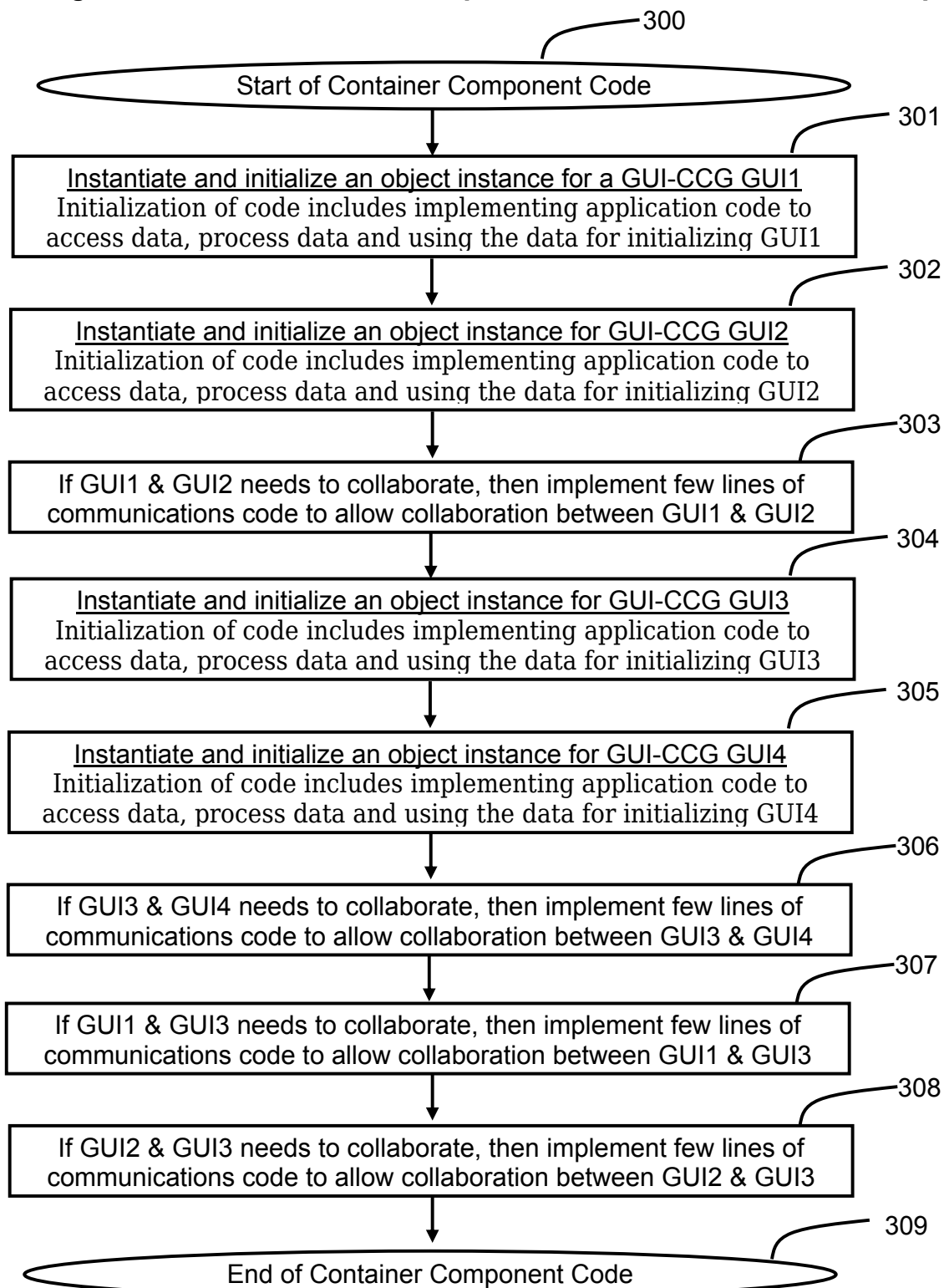


FIG. 3

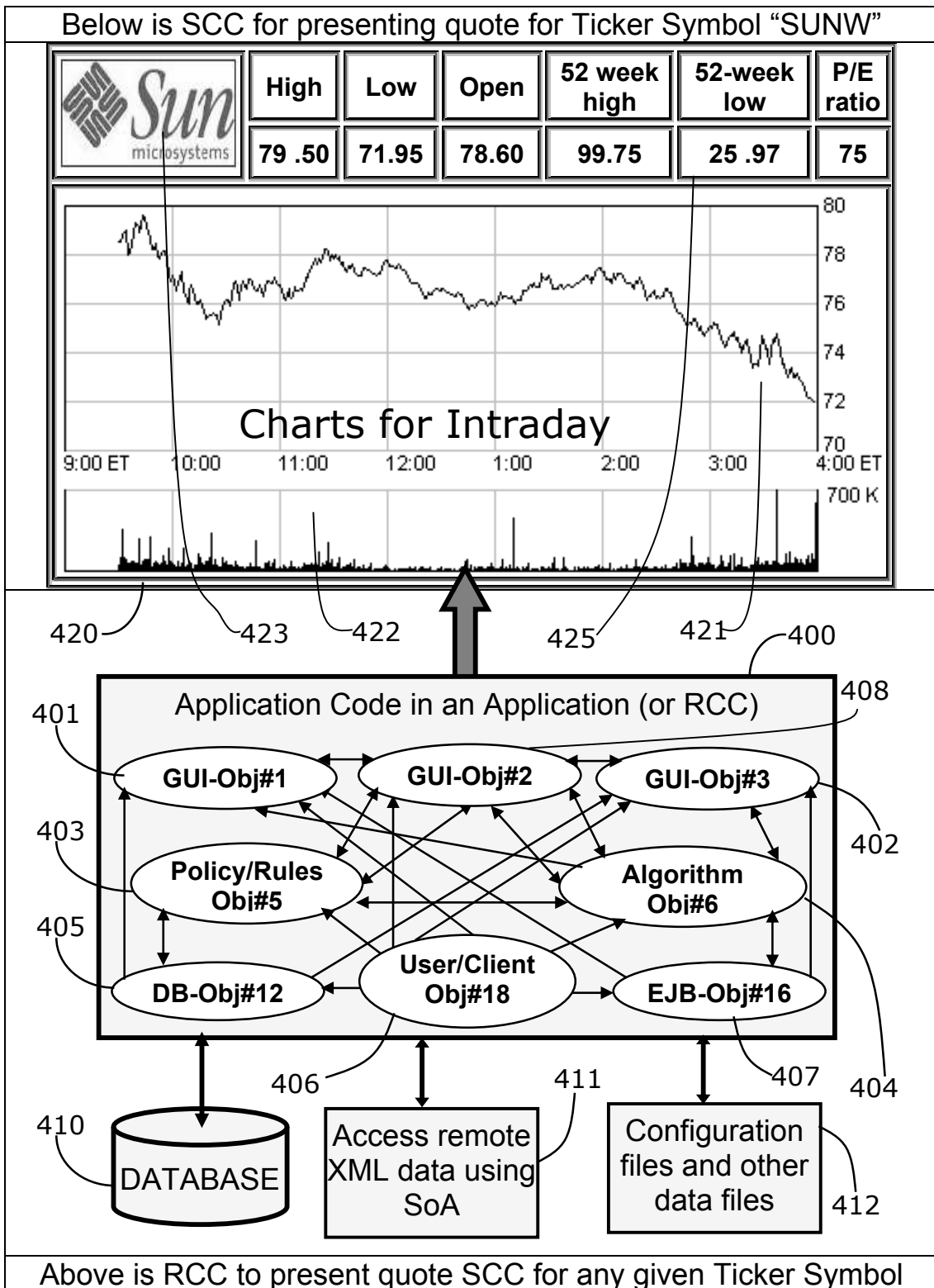


FIG. 4

**A RCC of a container-SCC that uses 3-RCCs for including 3-sub-SCC**  
 (The pseudo-code assuming that the SCC don't need to collaborate with each other)

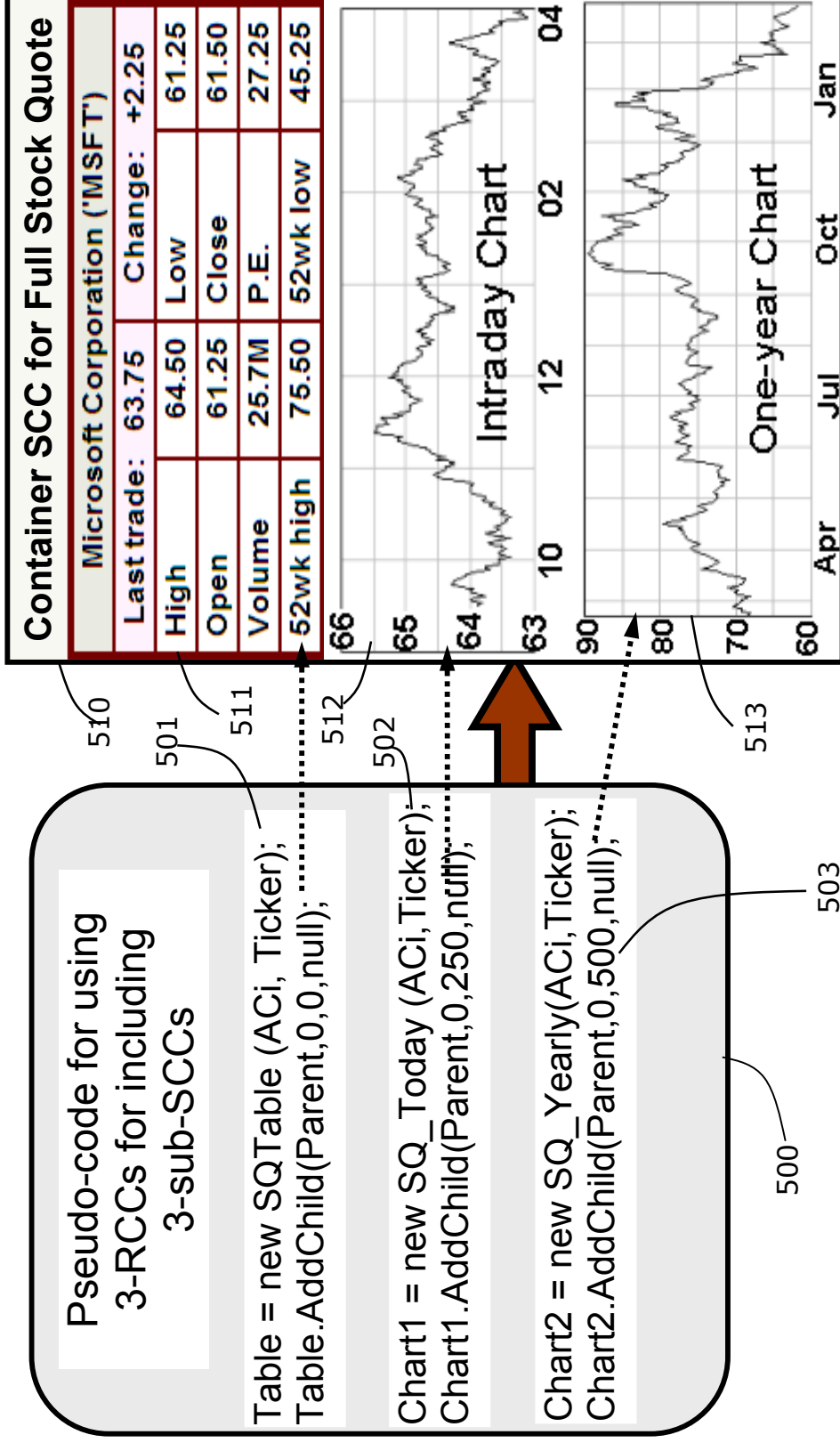


FIG. 5

Building Container-Components by assembling RSCC

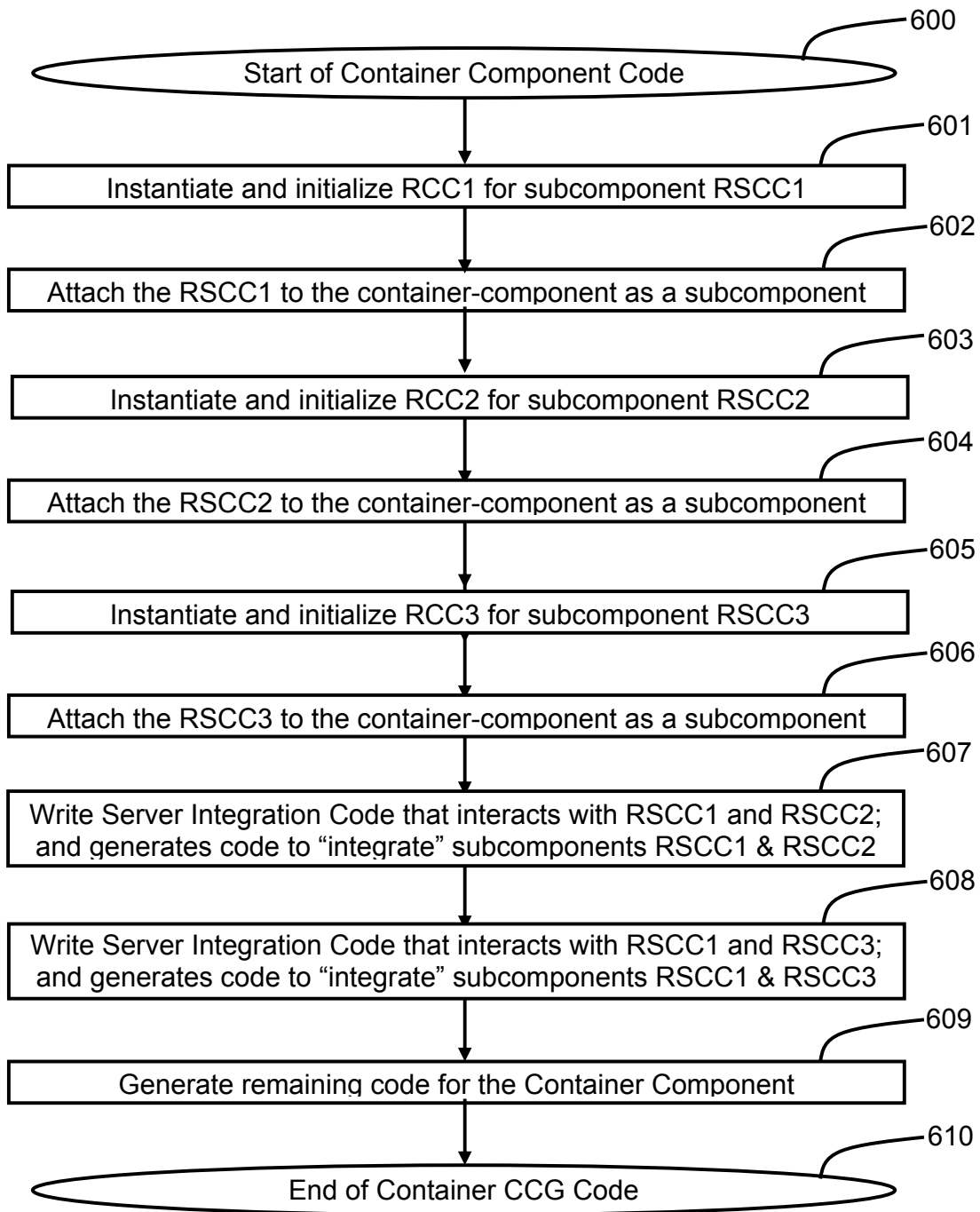


FIG. 6

Construction code of each SCC is encapsulated in a RCC, and an initialized object instance of each RCC is used for including each of the SCCs

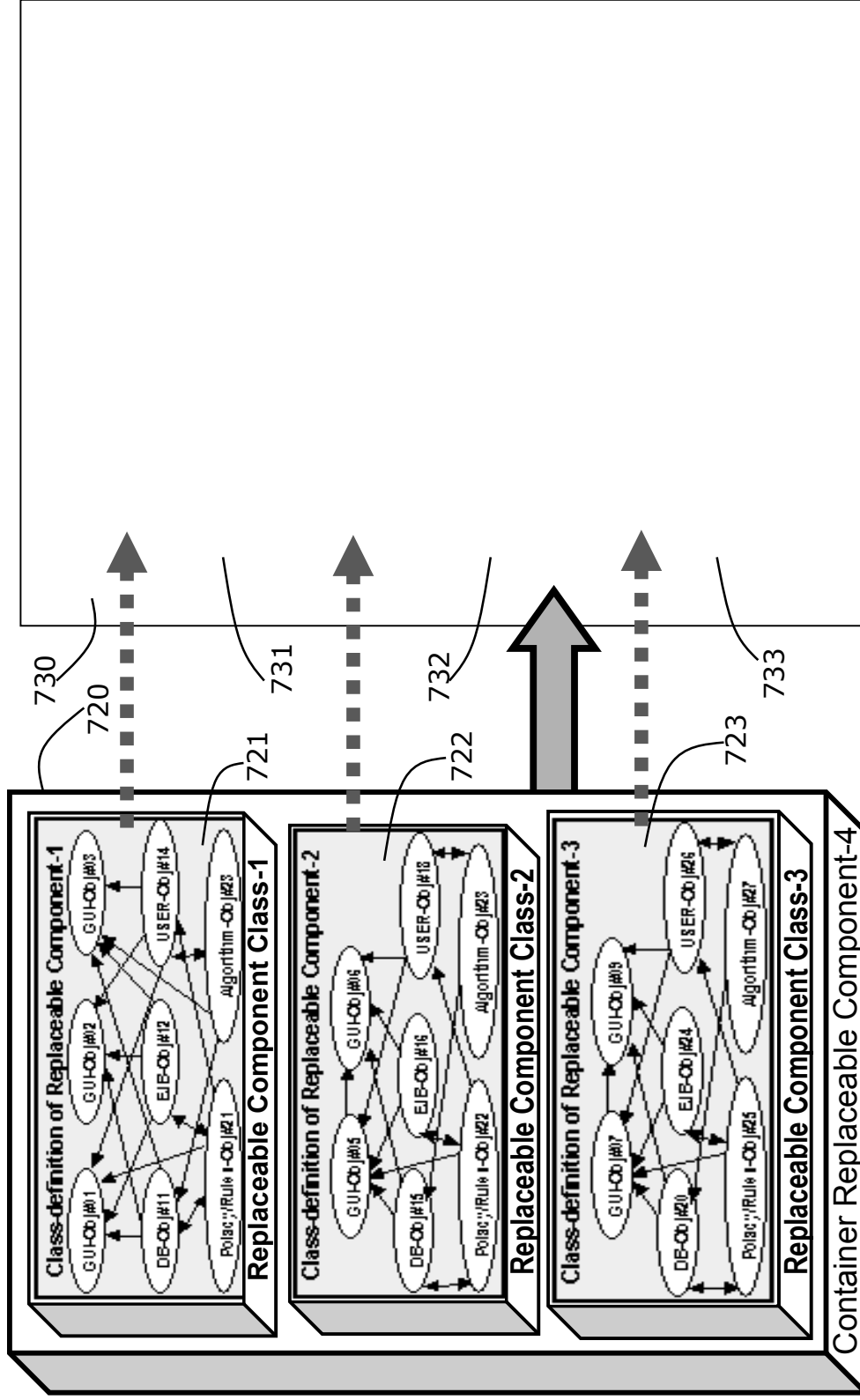


FIG. 7

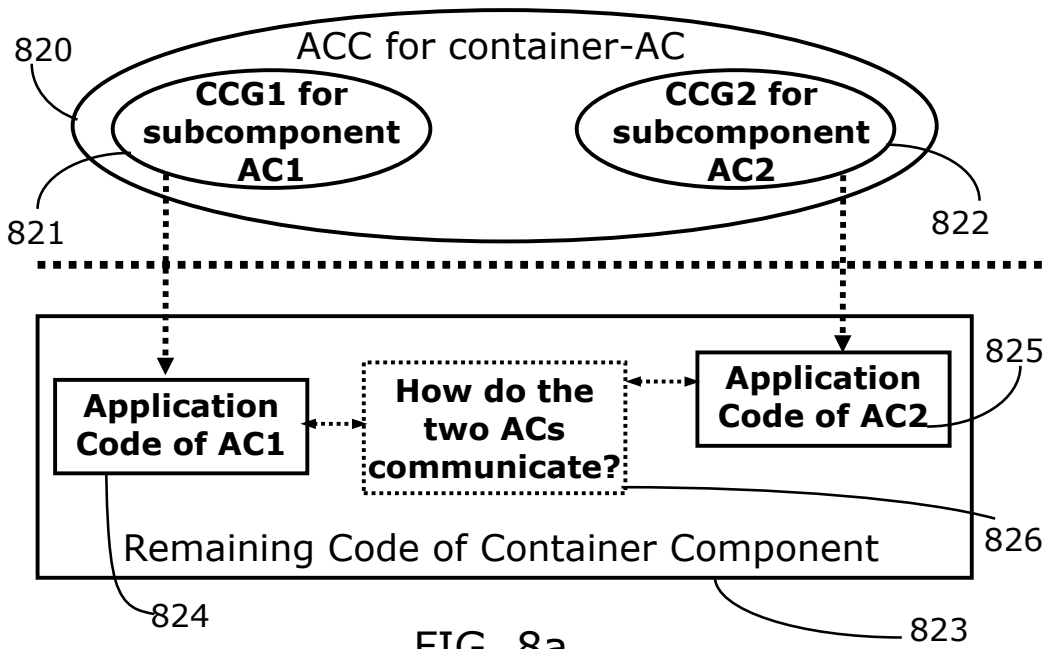


FIG. 8a

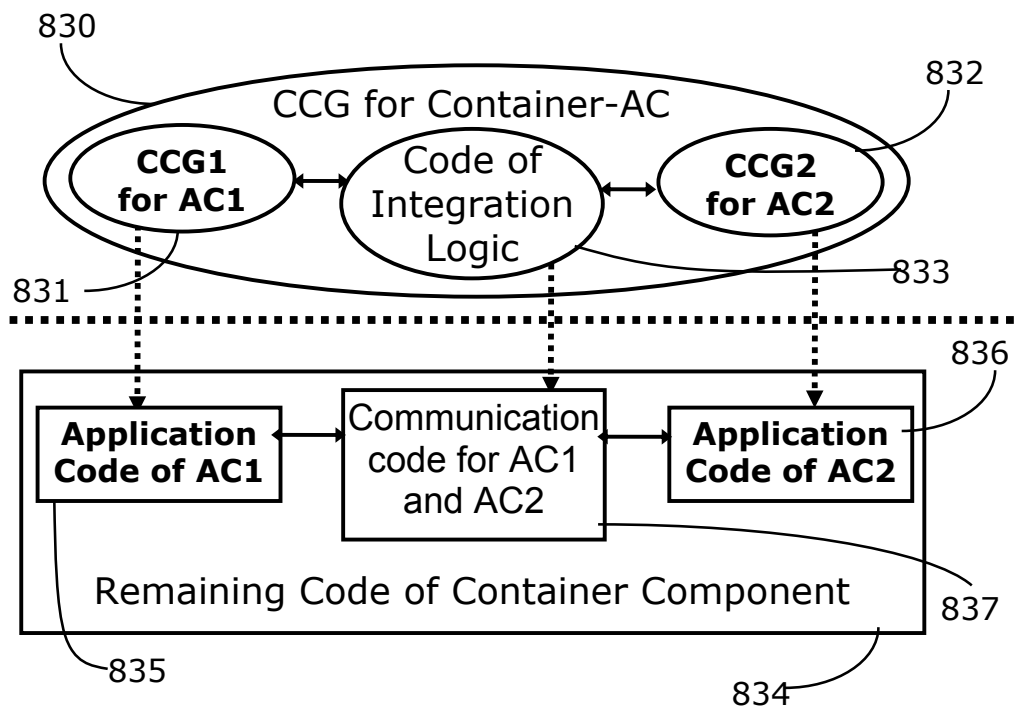


FIG. 8b



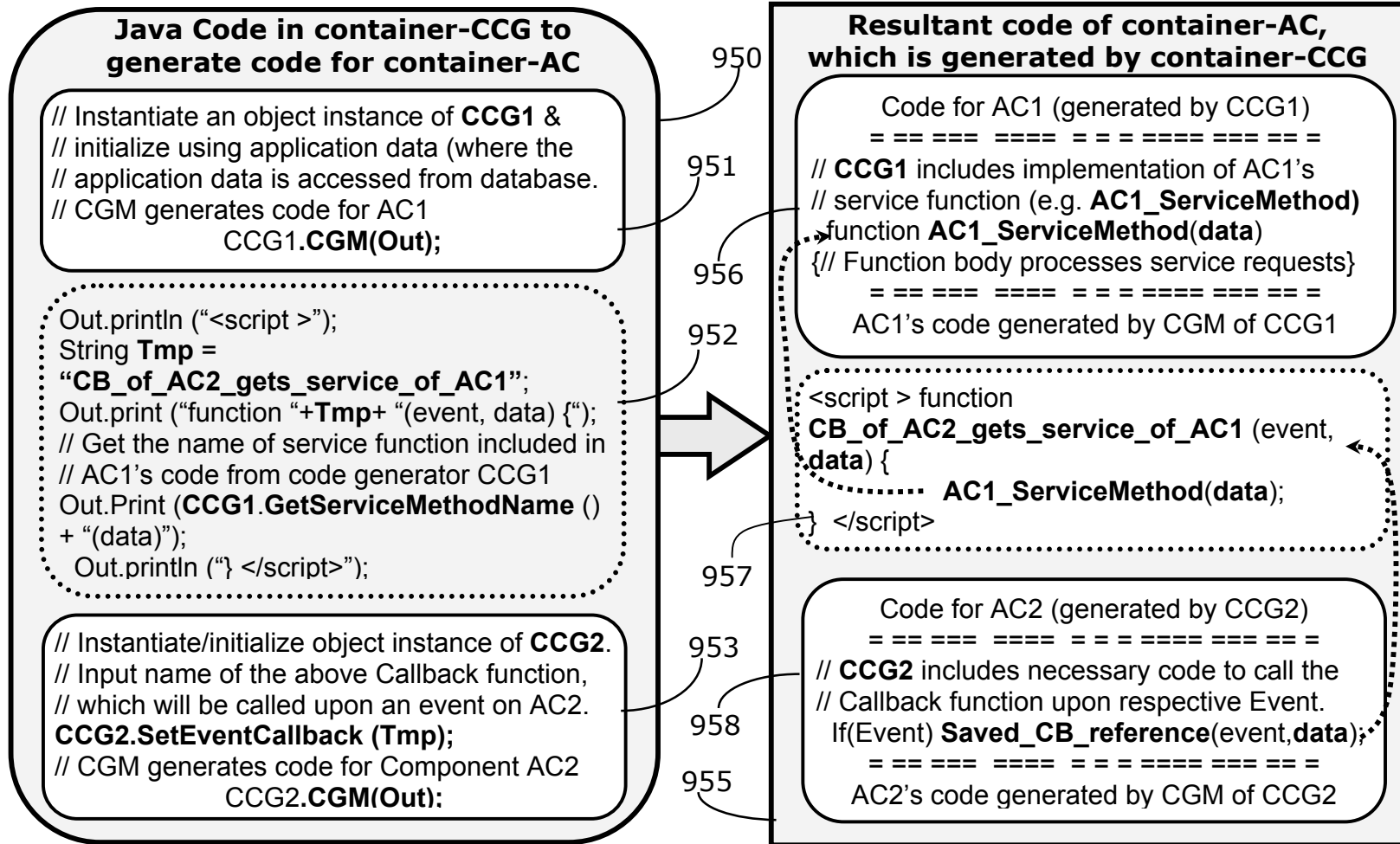


FIG. 9

Server application 1000 using a hierarchy of RCCs (RCC-01 to RCC-20) for generating client GUI application 1040 containing hierarchy of SCCs (AC-01 to AC-20), where AC-01 is generated by RCC-01; AC-02 is generated by RCC-02; AC-03 is generated by RCC-03; and so on

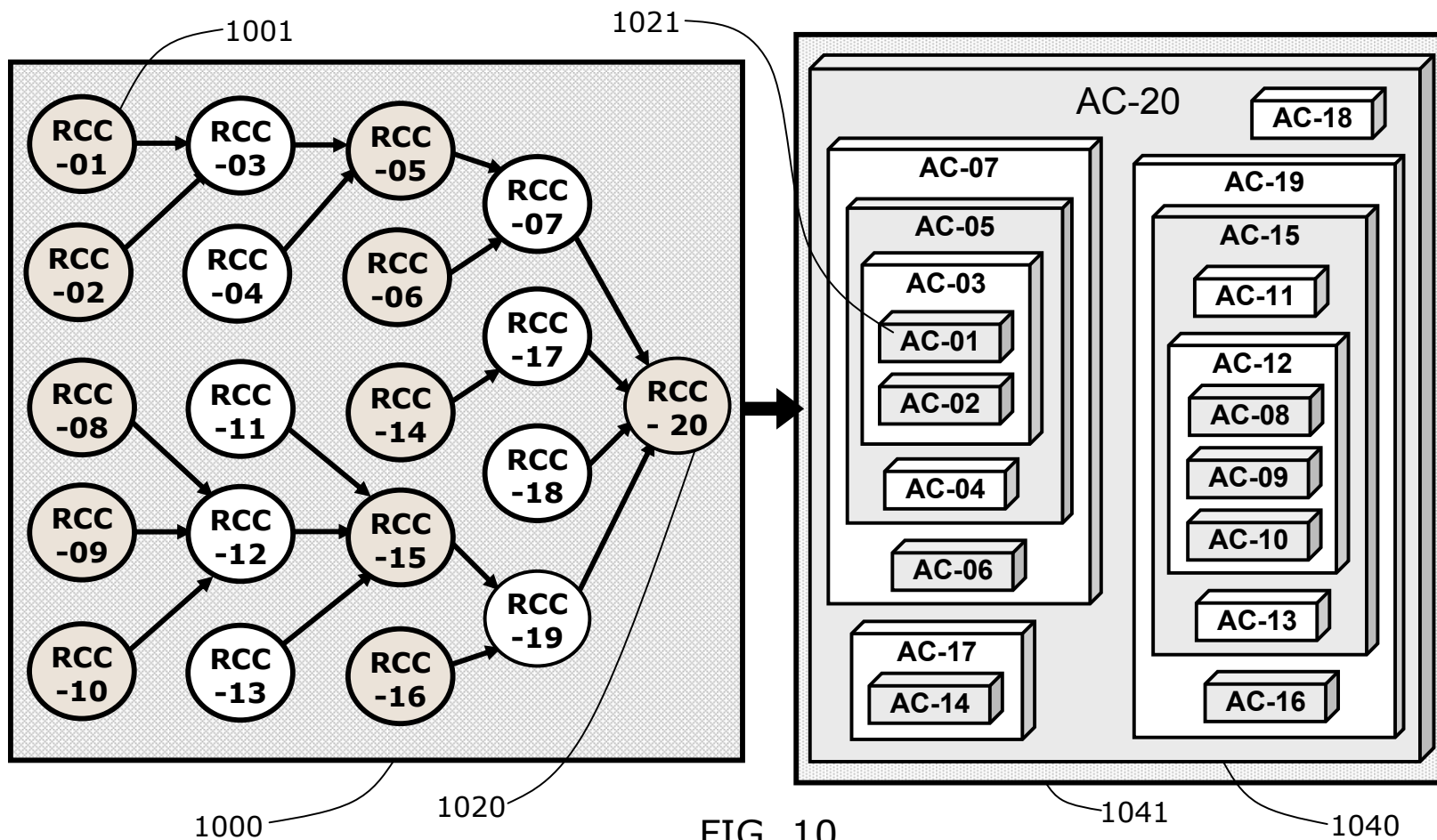


FIG. 10