

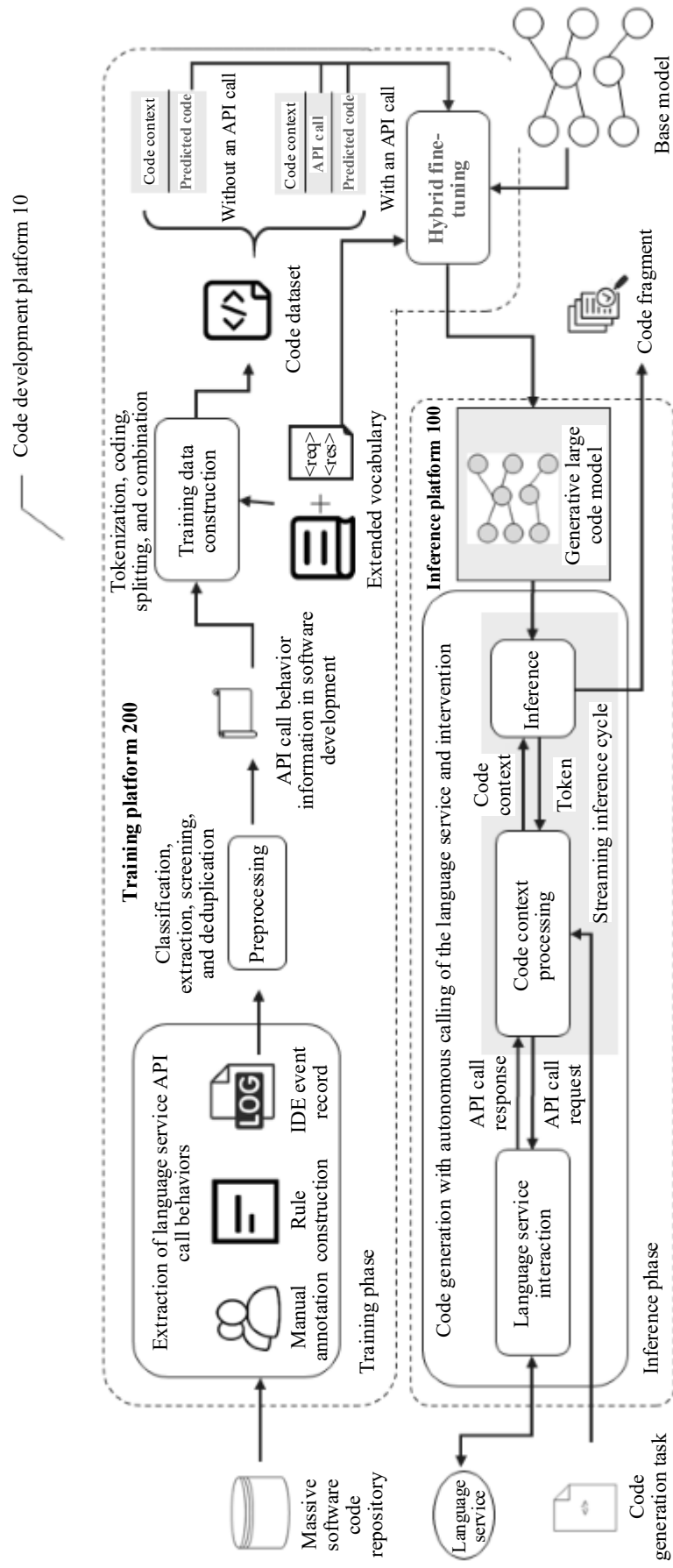


FIG. 1

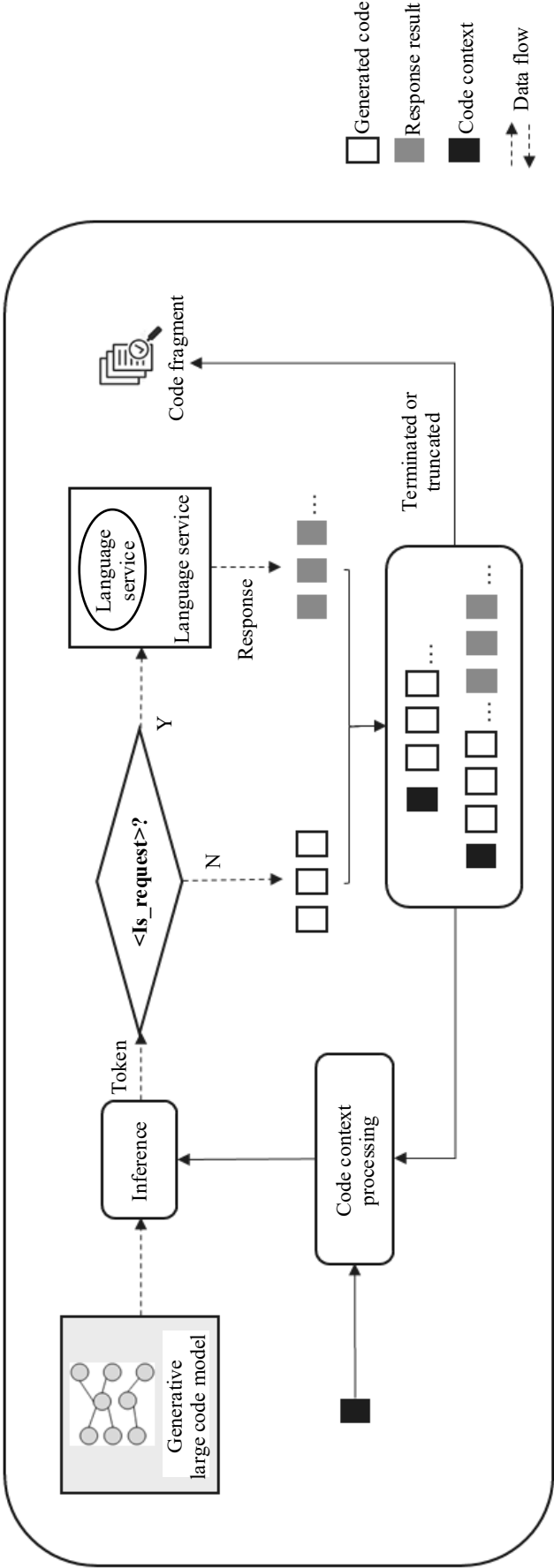


FIG. 2

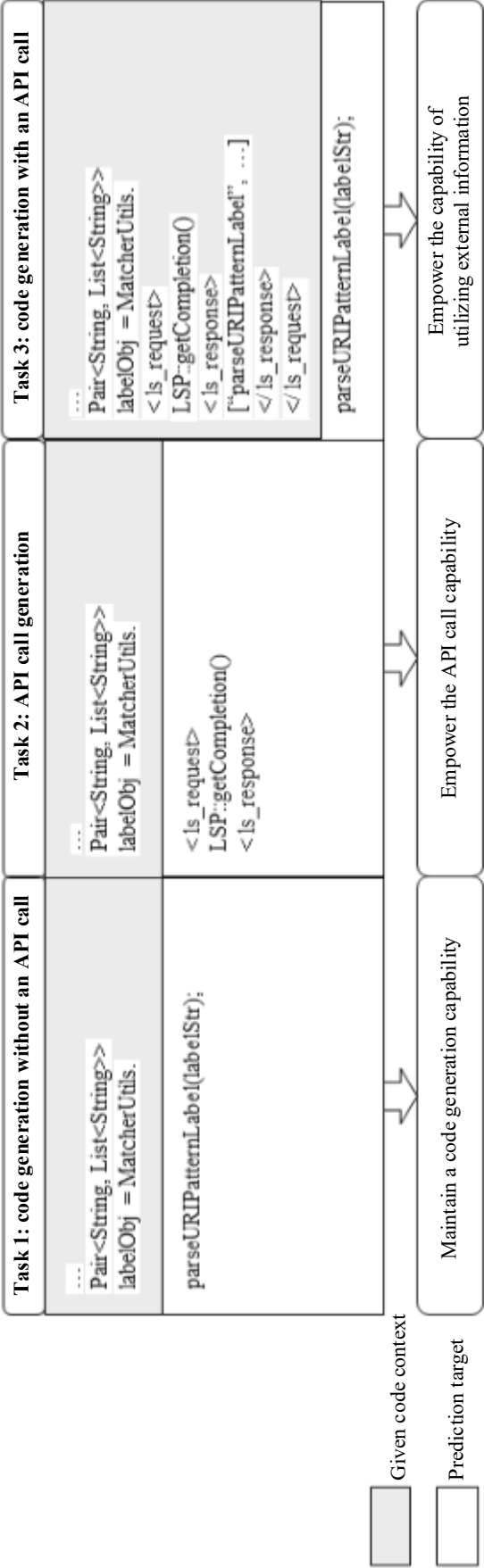


FIG. 3

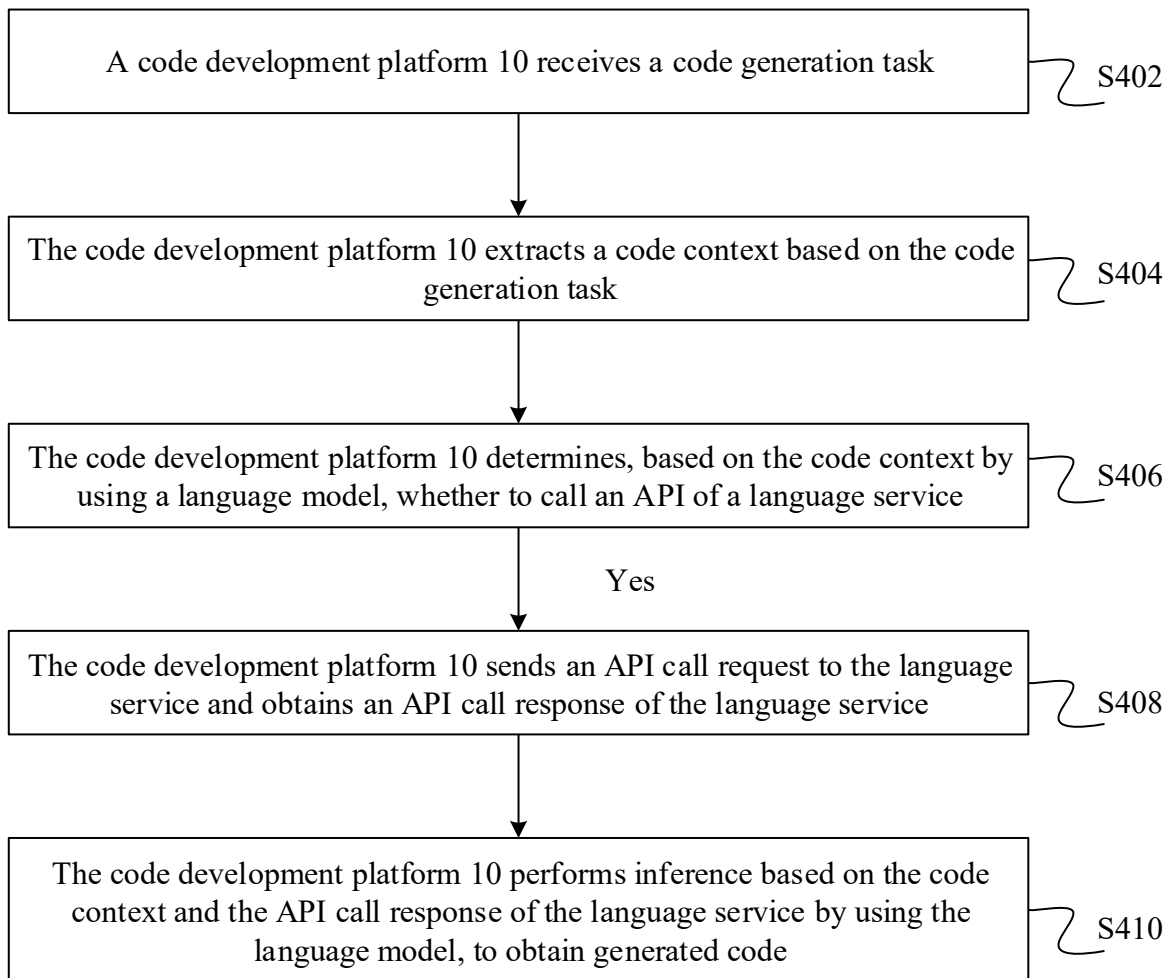


FIG. 4

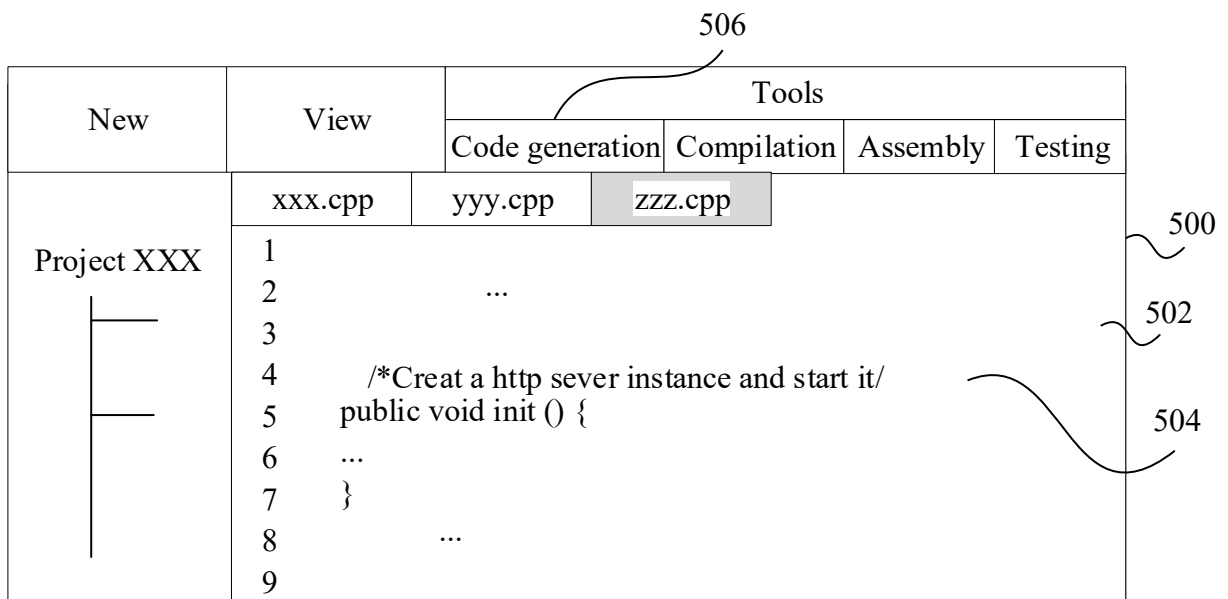


FIG. 5

1. A model generates <ls_request> here, and starts to call a language service

3. <user_request> is inserted, to ask for a human to make selection

4. After the human makes the selection or the model performs generation, code continues to be generated by using a new context as input

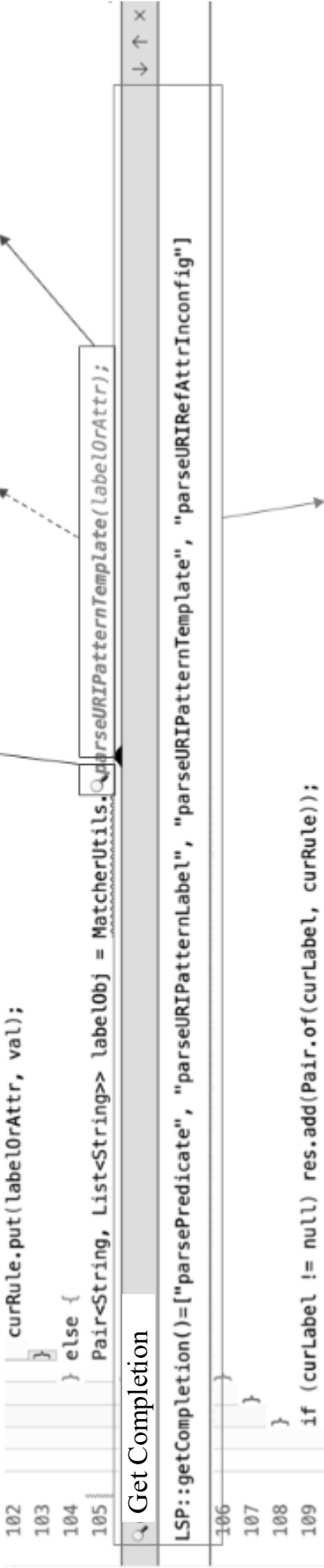


FIG. 6

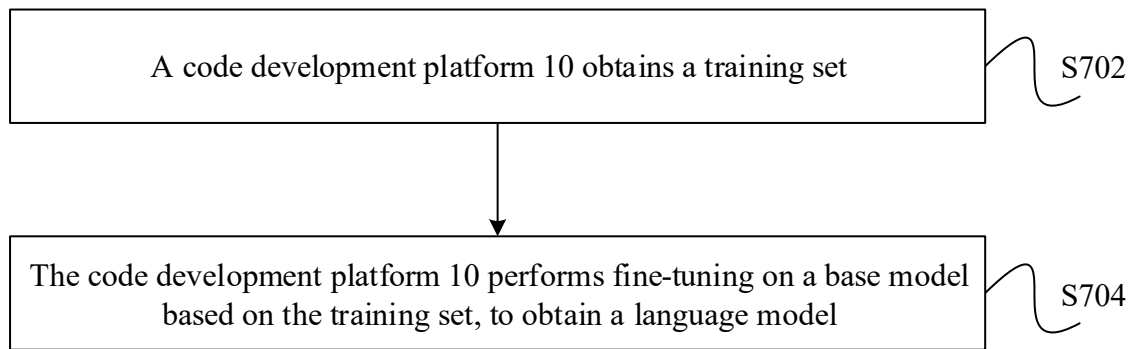


FIG. 7

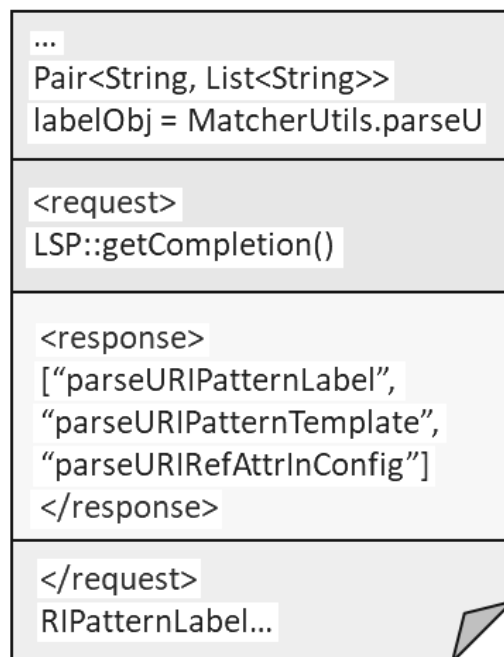


FIG. 8

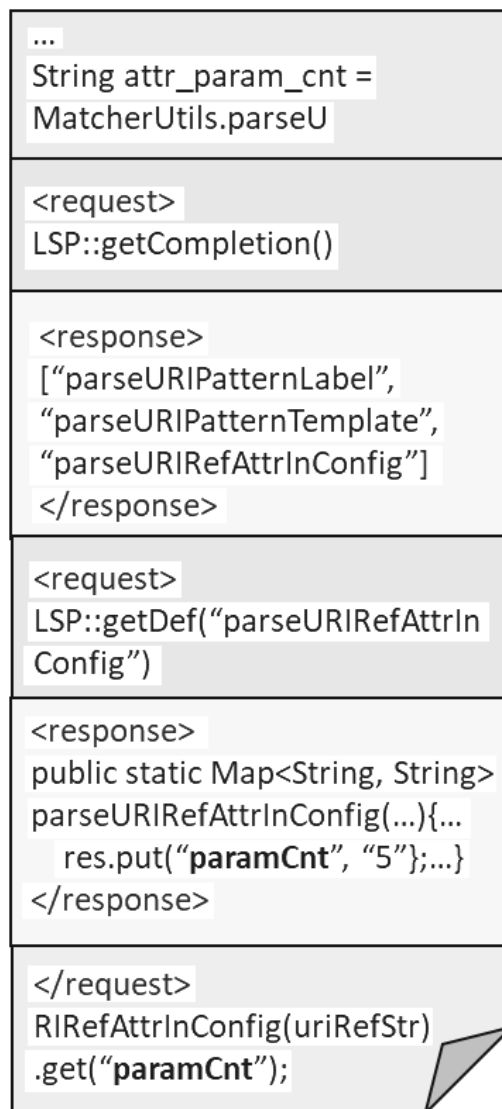


FIG. 9

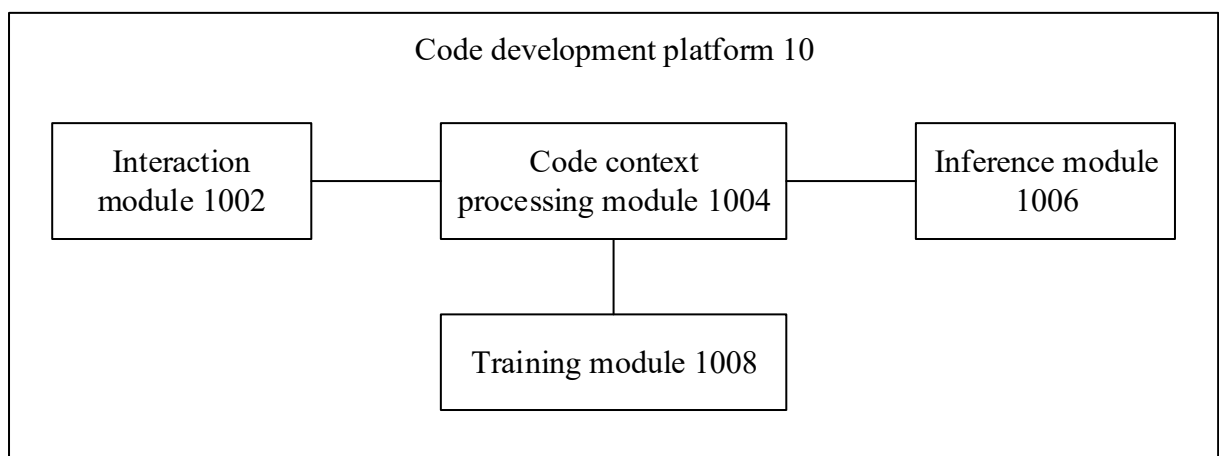


FIG. 10

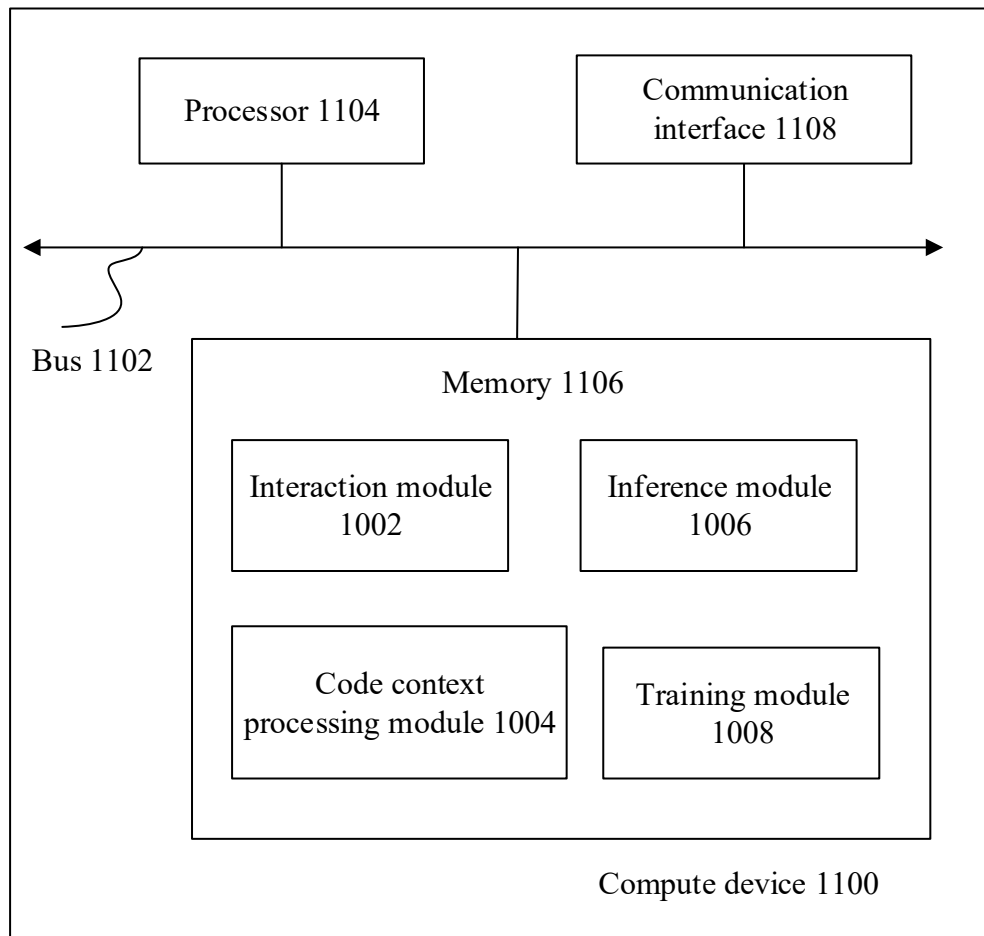


FIG. 11

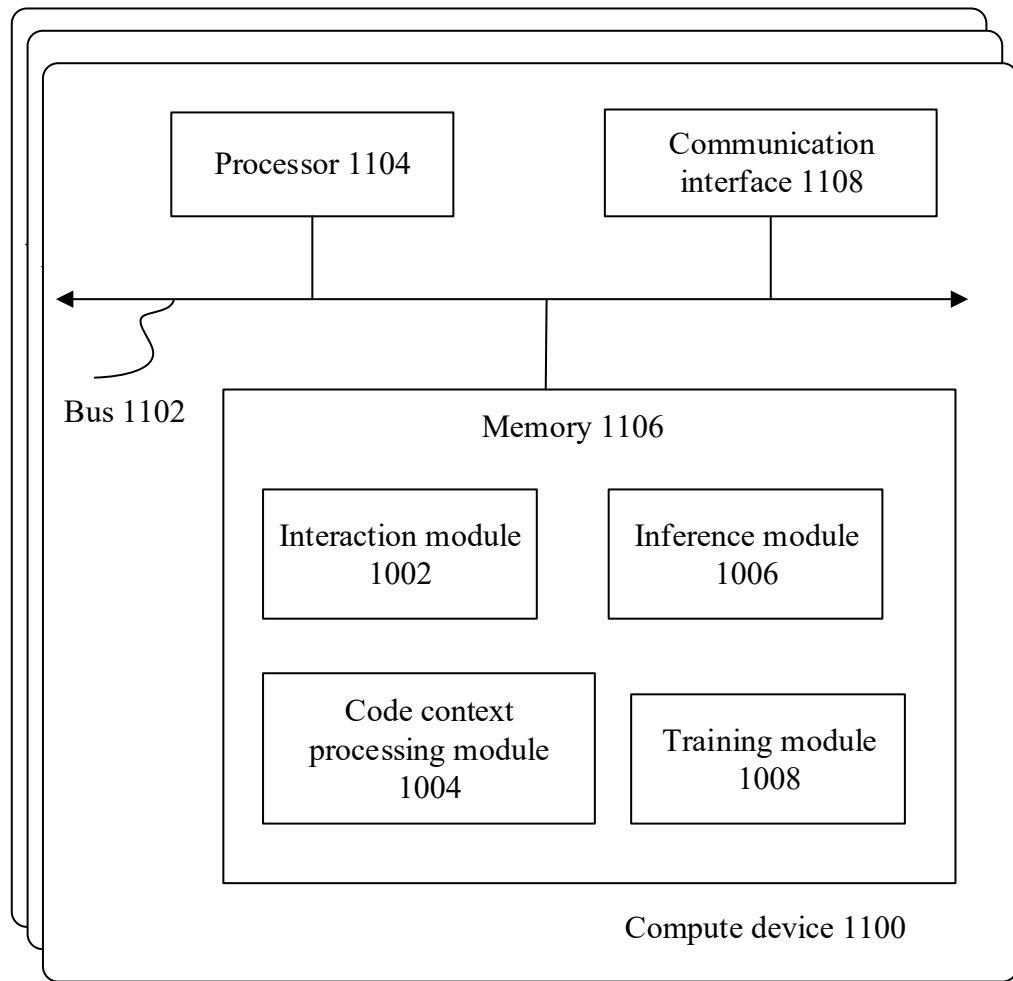


FIG. 12

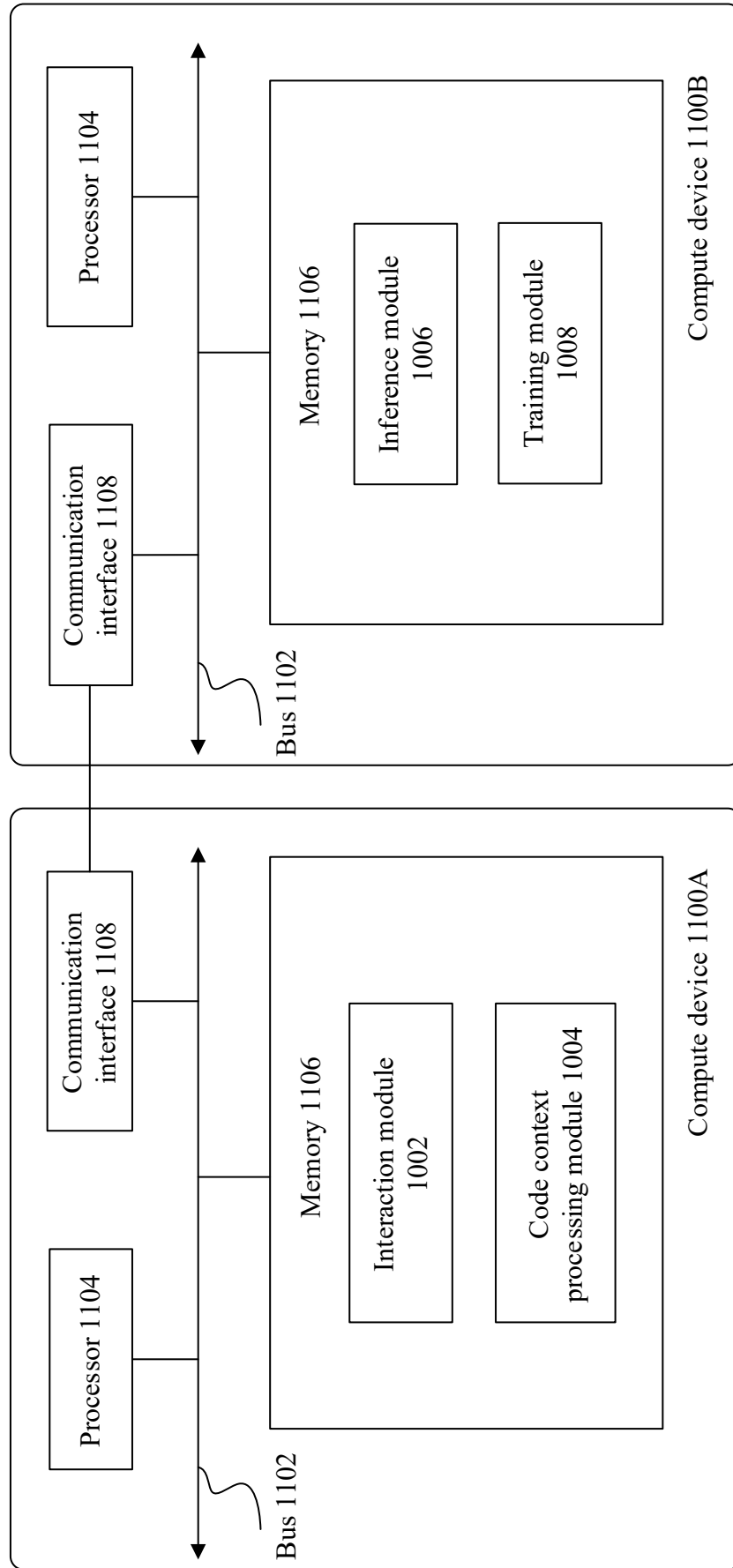


FIG. 13

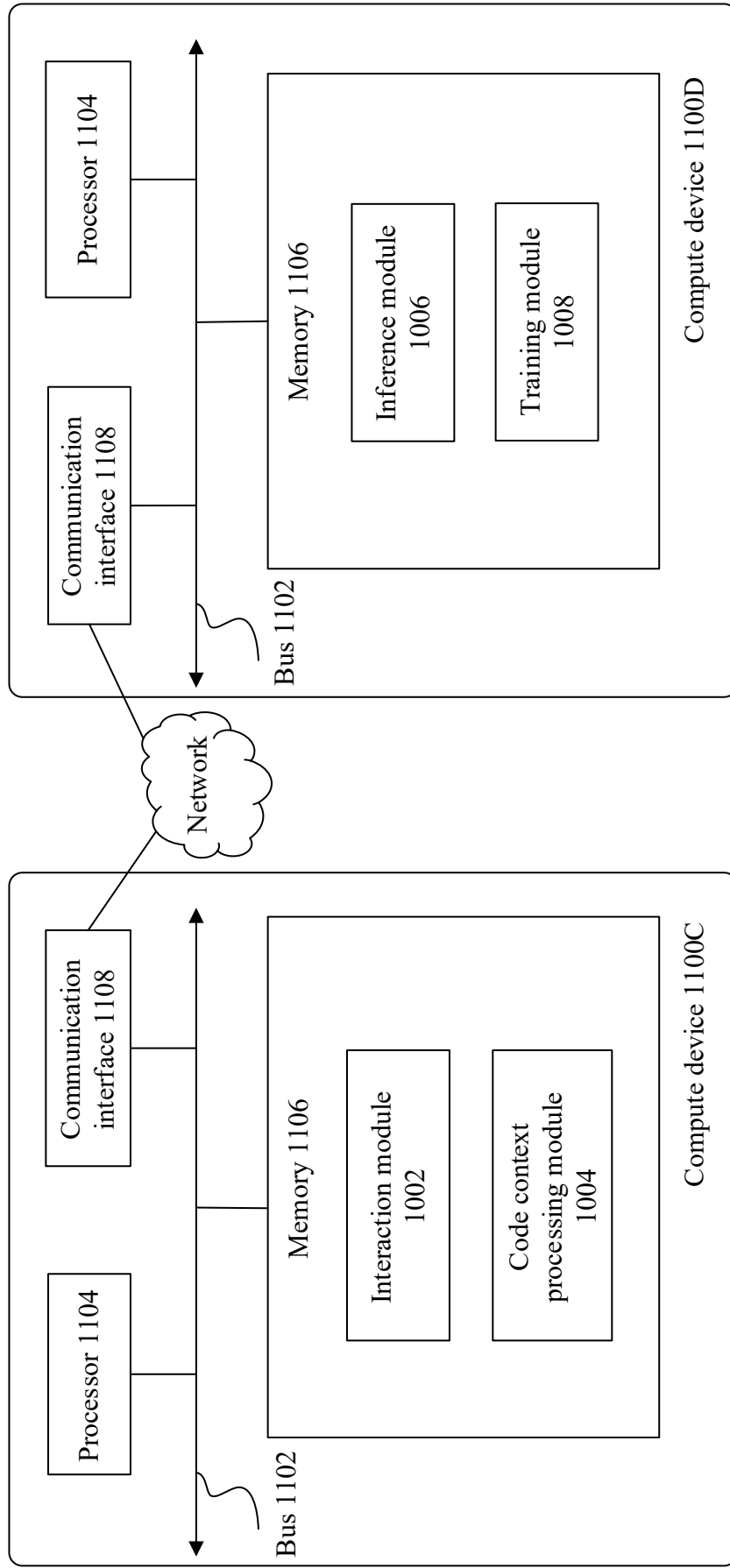


FIG. 14