

CODE GENERATION METHOD AND RELATED DEVICE

ABSTRACT

This application discloses a code generation method, including: A code development platform receives a code generation task, and extracts a code context based on the code generation task, where the code context includes a code fragment related to to-be-generated code in a project; the code development platform determines, based on the code context by using a language model, whether to call an application programming interface API of a language service; when it is determined to call the API of the language service, the code development platform sends an API call request to the language service and obtains an API call response of the language service; and the code development platform performs inference based on the code context and the API call response of the language service by using the language model, to obtain generated code. The method empowers the language model the capability of autonomously calling external tools such as the language service, so that during inference, the language model can simulate a human developer using the language service to assist the language model in code generation, thereby mitigating or even eliminating hallucinations generated by the language model during code generation.

FIG. 1