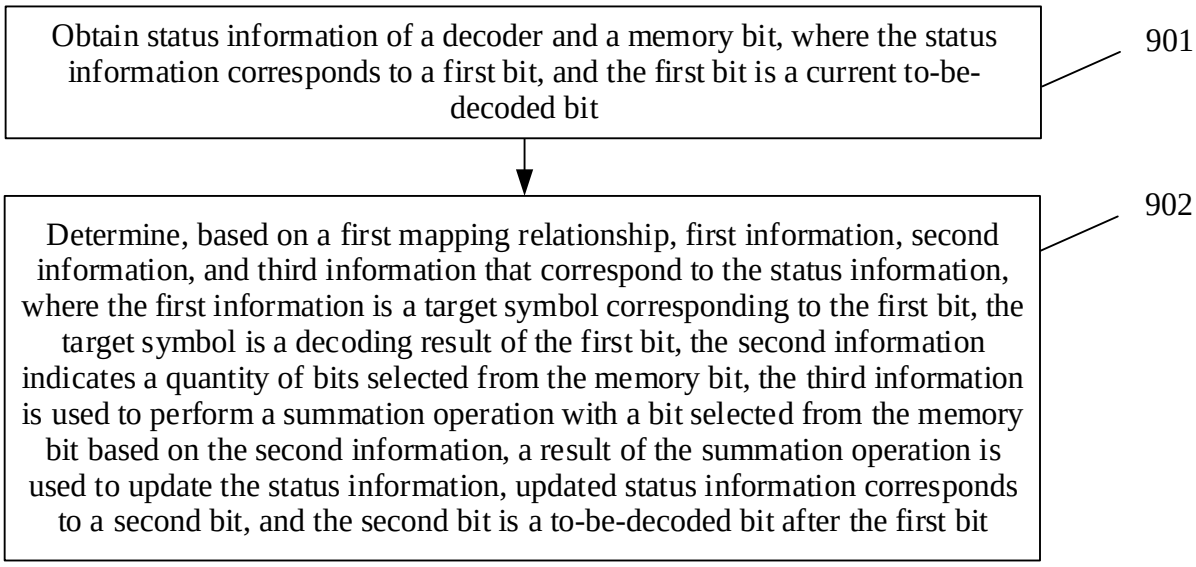

Obtain status information of a decoder and a memory bit, where the status information corresponds to a first bit, and the first bit is a current to-be-decoded bit
901
Determine, based on a first mapping relationship, first information, second information, and third information that correspond to the status information, where the first information is a target symbol corresponding to the first bit, the target symbol is a decoding result of the first bit, the second information indicates a quantity of bits selected from the memory bit, the third information is used to perform a summation operation with a bit selected from the memory bit based on the second information, a result of the summation operation is used to update the status information, updated status information corresponds to a second bit, and the second bit is a to-be-decoded bit after the first bit
902

FIG. 9