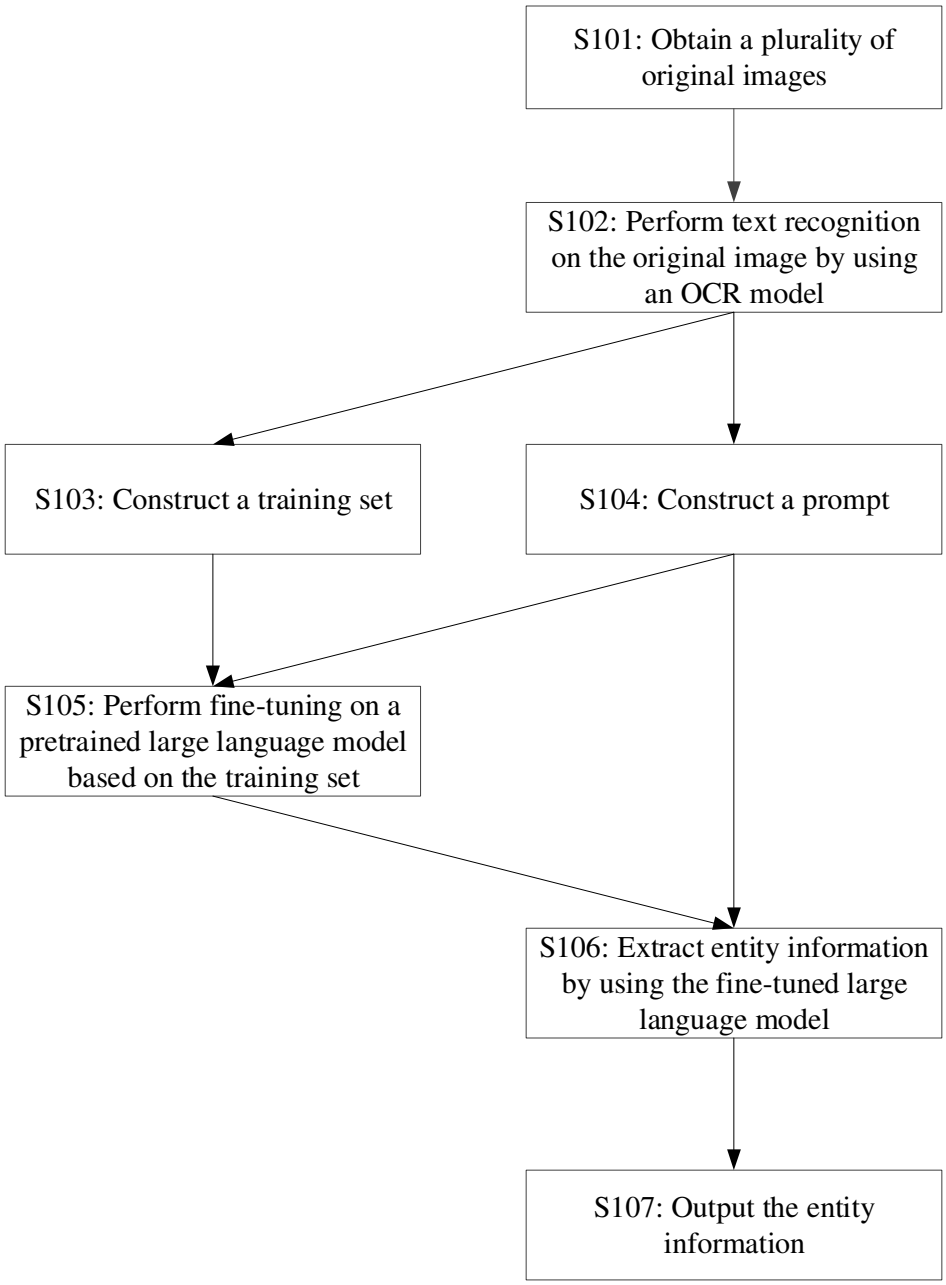
S101: Obtain a plurality of original images
S102: Perform text recognition on the original image by using an OCR model
S103: Construct a training set
S104: Construct a prompt
S105: Perform fine-tuning on a pretrained large language model based on the training set
S106: Extract entity information by using the fine-tuned large language model
S107: Output the entity information

FIG. 1

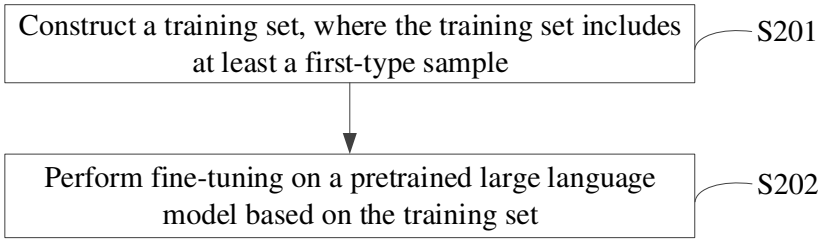
Construct a training set, where the training set includes at least a first-type sample
S201
Perform fine-tuning on a pretrained large language model based on the training set
S202

FIG. 2

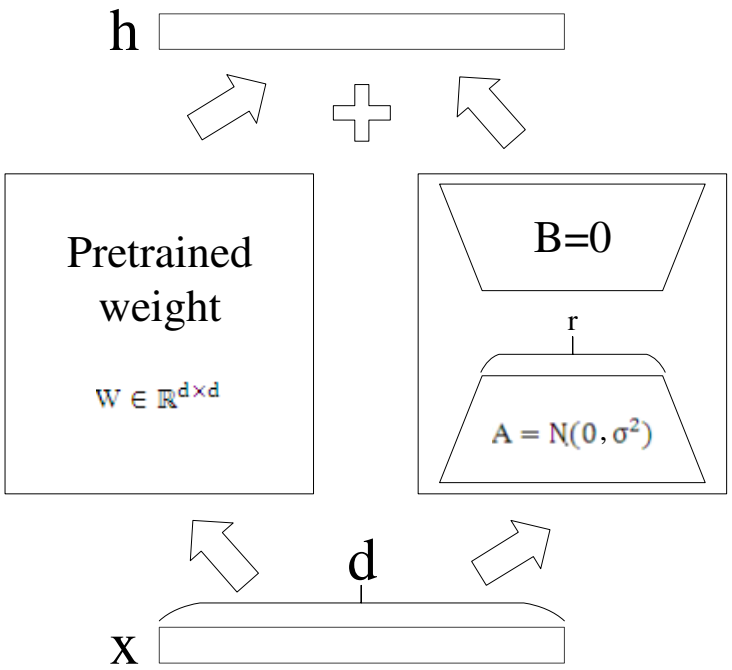
h
Pretrained weight
$W \in \mathbb{R}^{d \times d}$
B=0
r
$A = N(0, \sigma^2)$
d
x

FIG. 3

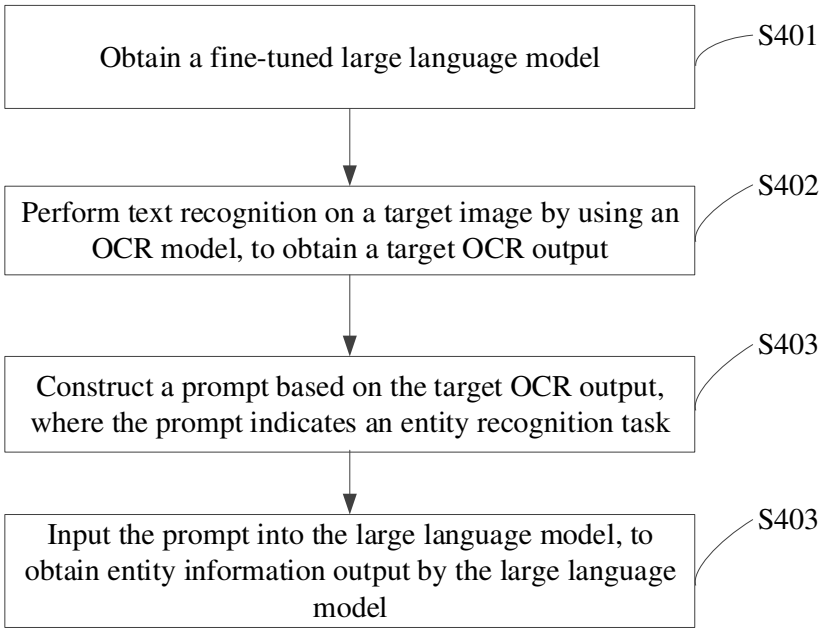
Obtain a fine-tuned large language model
S401
Perform text recognition on a target image by using an OCR model, to obtain a target OCR output
S402
Construct a prompt based on the target OCR output, where the prompt indicates an entity recognition task
S403
Input the prompt into the large language model, to obtain entity information output by the large language model
S403

FIG. 4

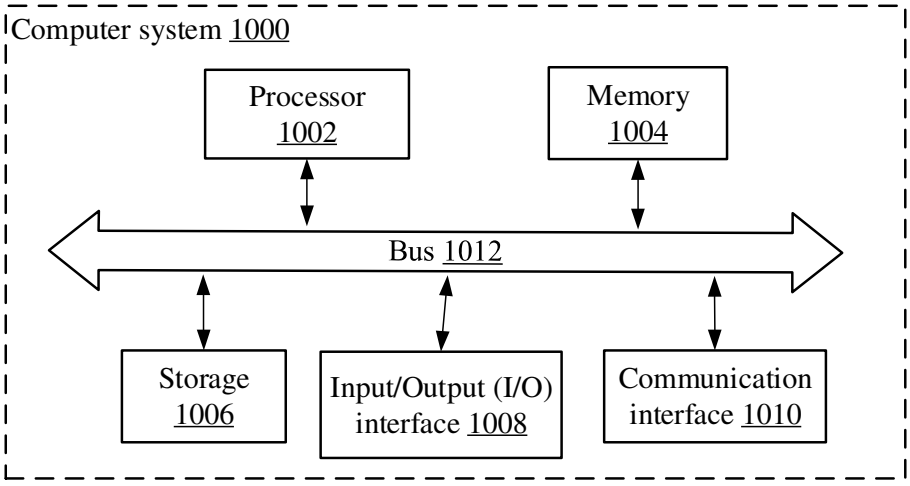
Computer system 1000
Processor 1002
Memory 1004
Bus 1012
Storage 1006
Input/Output (I/O) interface 1008
Communication interface 1010

FIG. 5