FIGURES

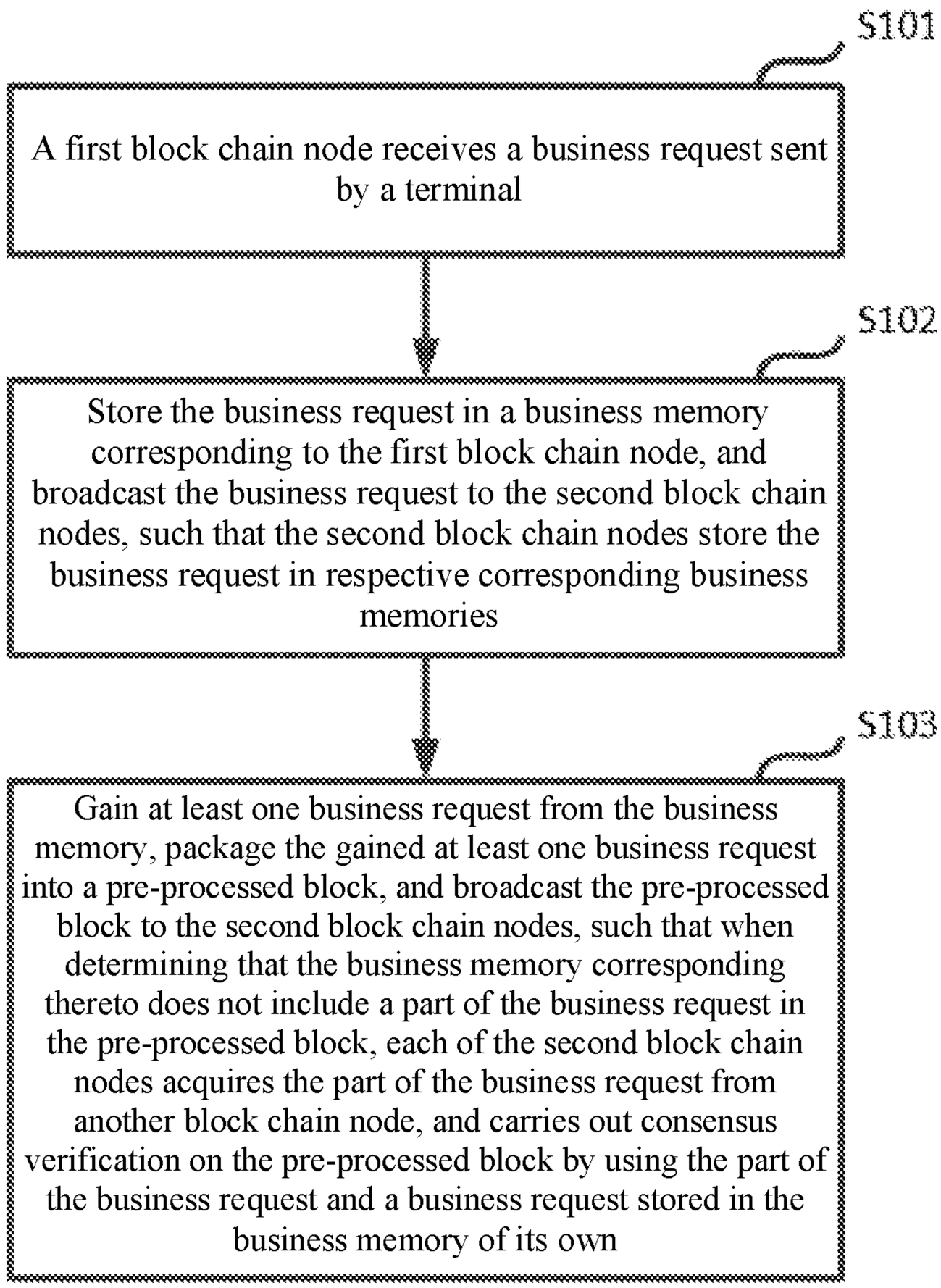

FIG. 1

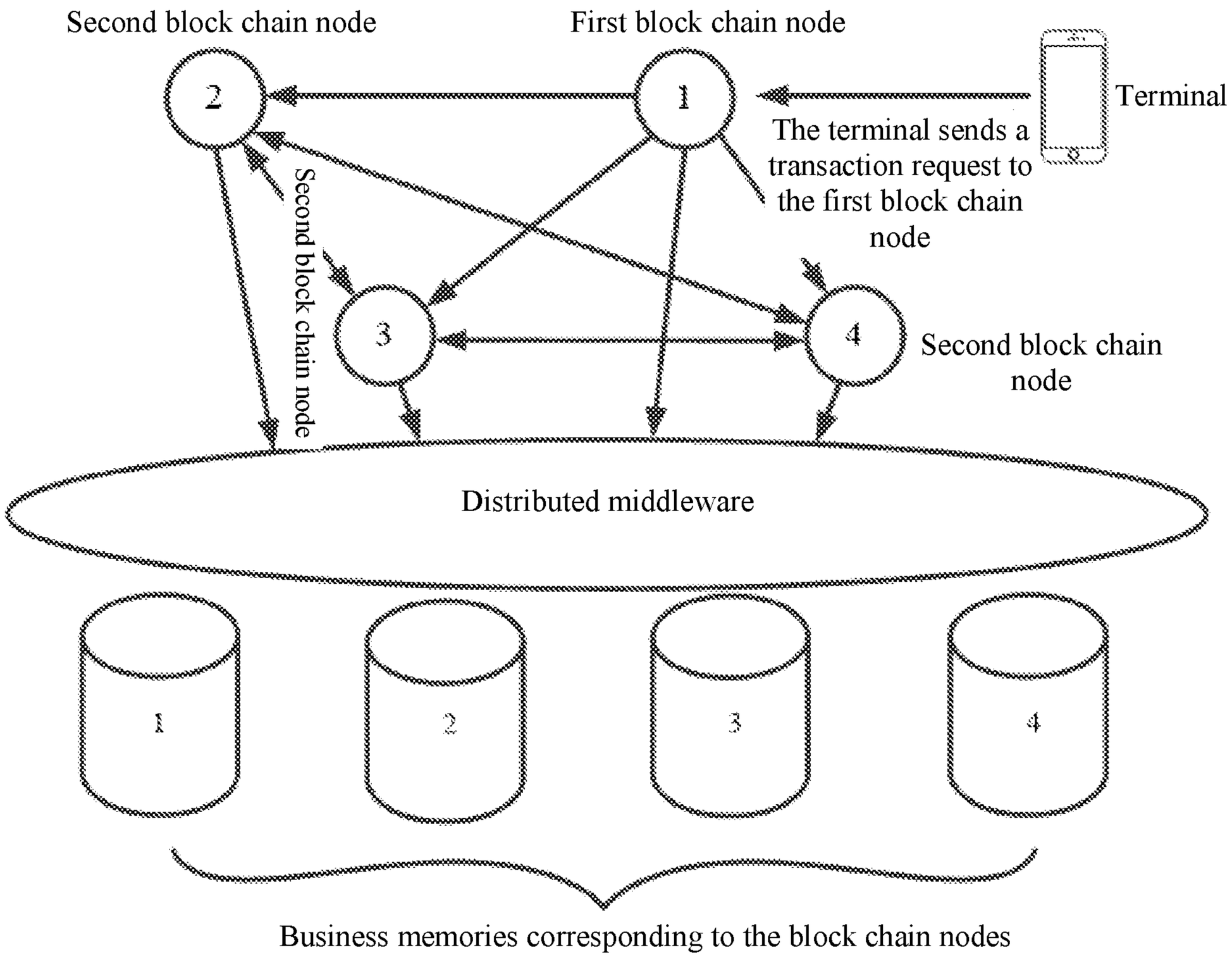
Second block chain node
First block chain node
Terminal
The terminal sends a transaction request to the first block chain node
Second block chain node
Second block chain node
Distributed middleware
1
2
3
4
Business memories corresponding to the block chain nodes

FIG. 2

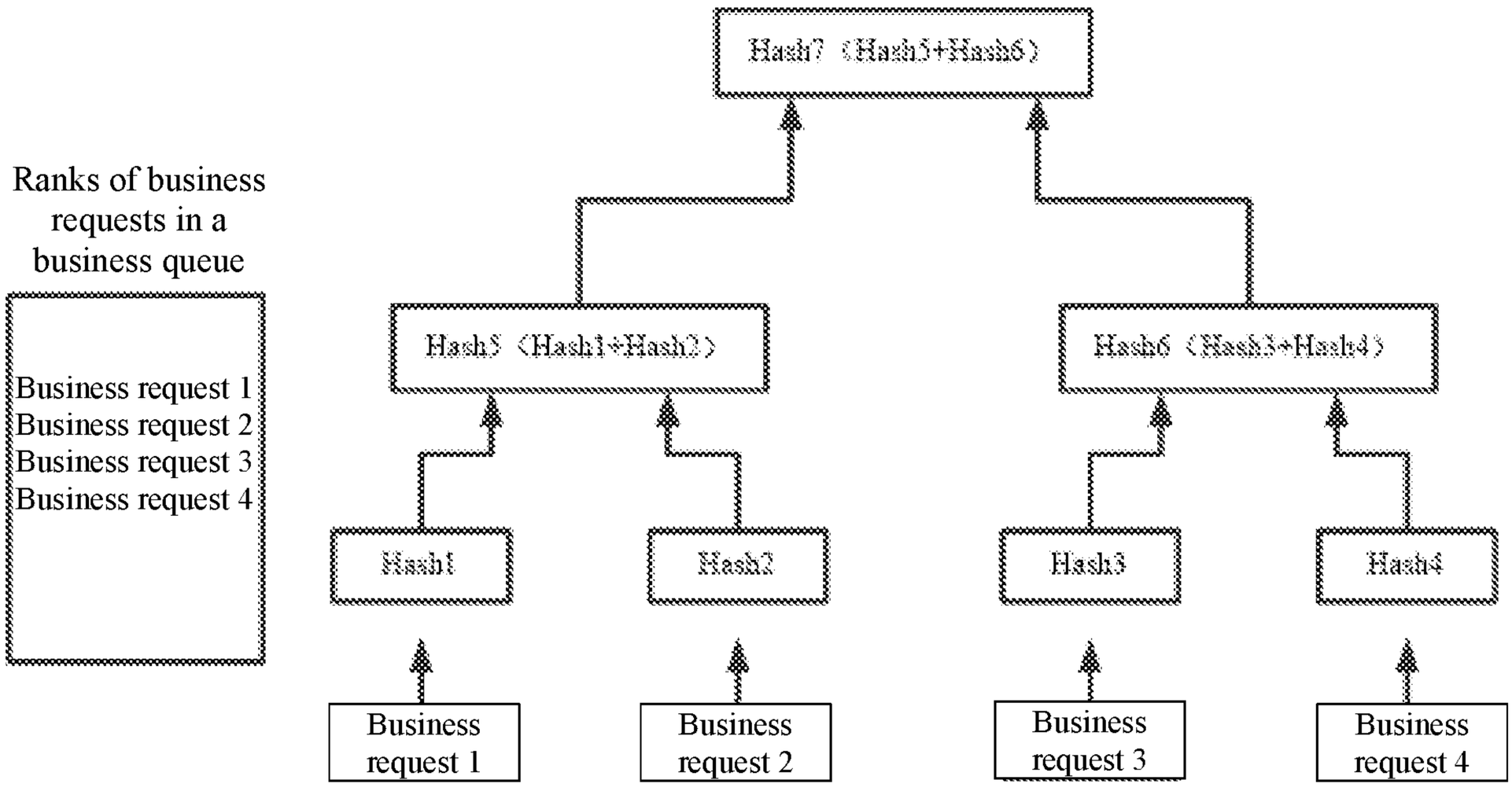
Ranks of business requests in a business queue
Business request 1
Business request 2
Business request 3
Business request 4
Hash7 (Hash5+Hash6)
Hash5 (Hash1+Hash2)
Hash6 (Hash3+Hash4)
Hash1
Hash2
Hash3
Hash4
Business request 1
Business request 2
Business request 3
Business request 4

FIG. 3

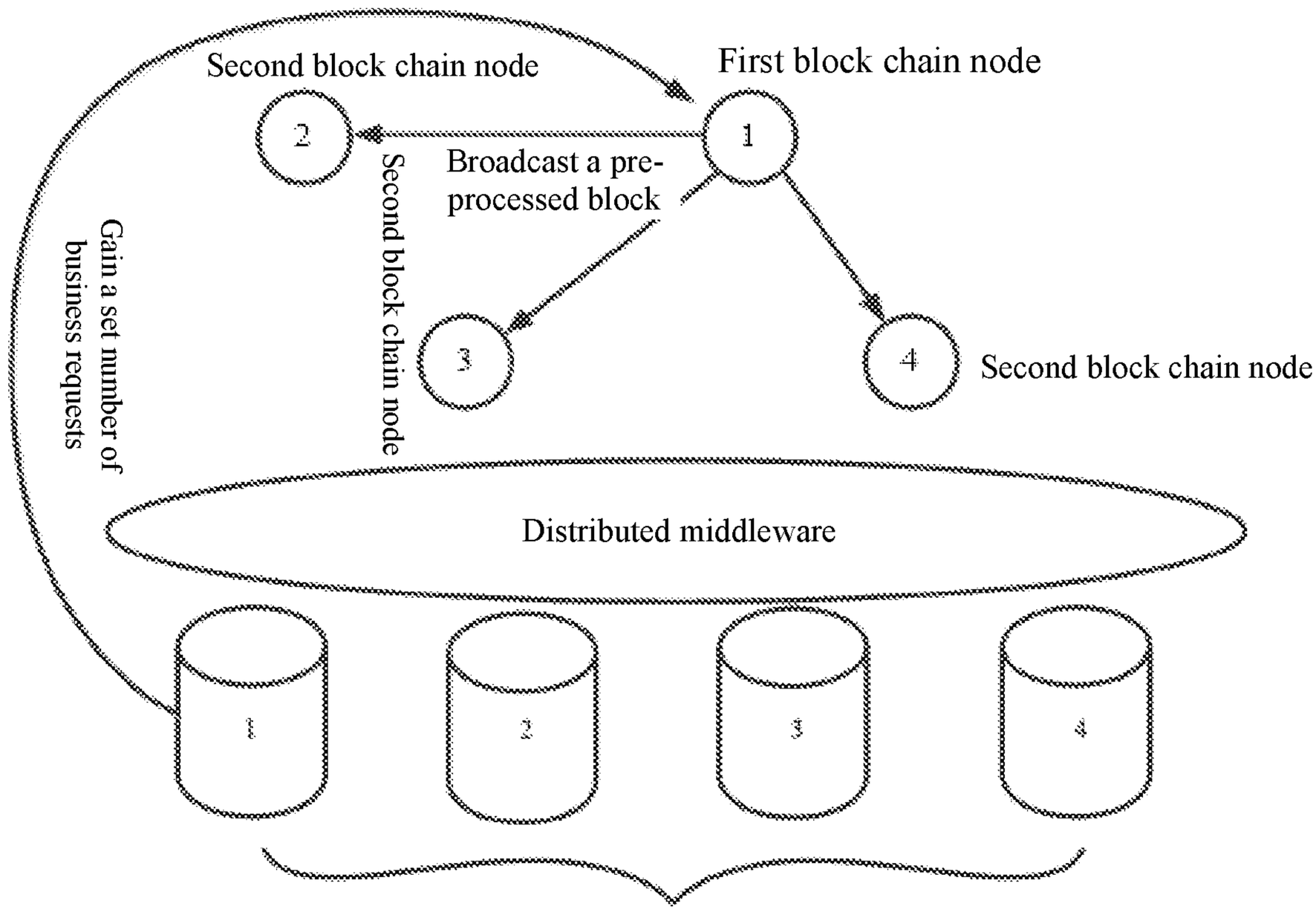
Second block chain node
First block chain node
2
1
Broadcast a pre-processed block
Second block chain node
3
4
Second block chain node
Gain a set number of business requests
Distributed middleware
Business memories corresponding to the block chain nodes

FIG. 4

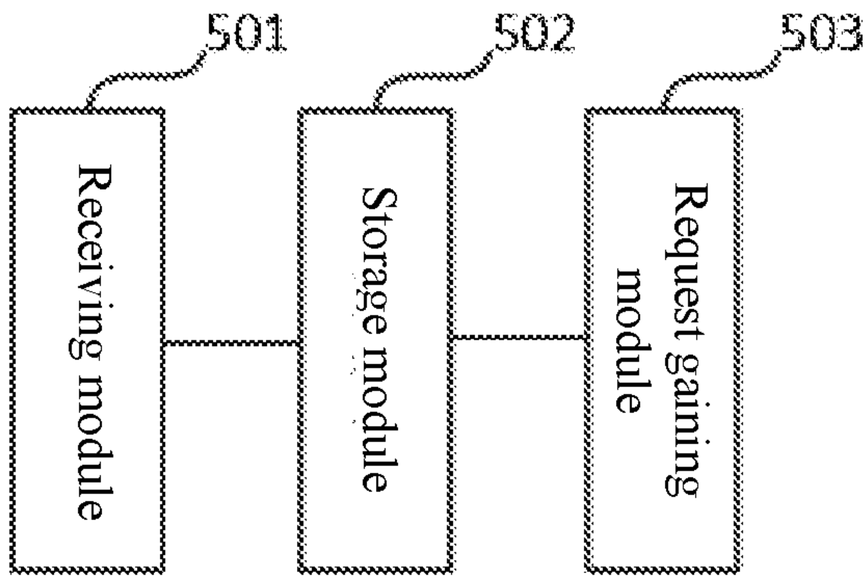
501
502
503
Receiving module
Storage module
Request gaining module

FIG. 5

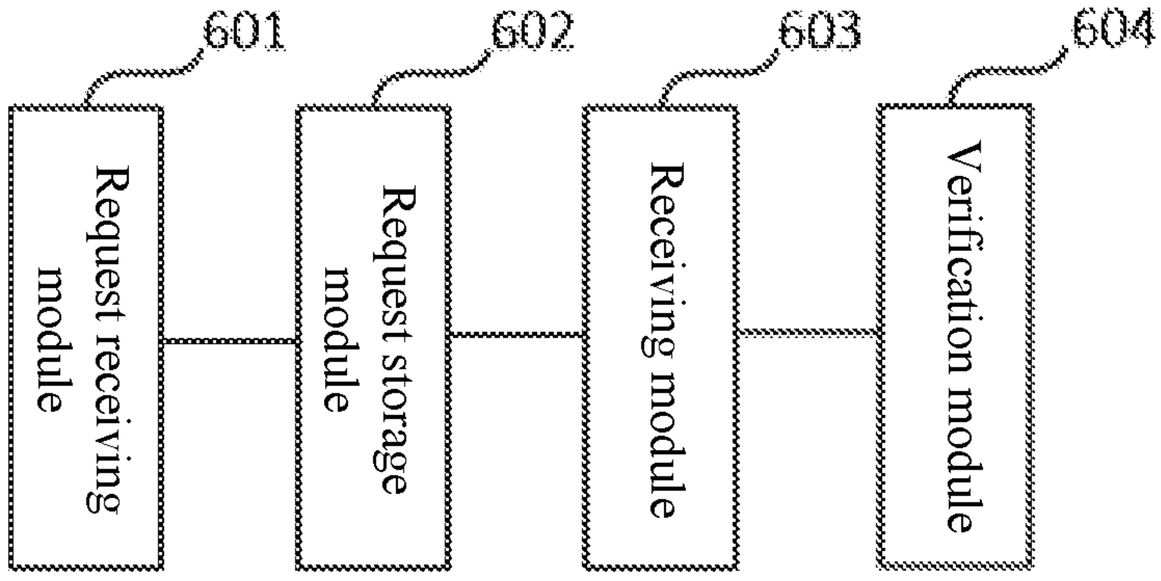
601
602
603
604
Request receiving module
Request storage module
Receiving module
Verification module

FIG. 6