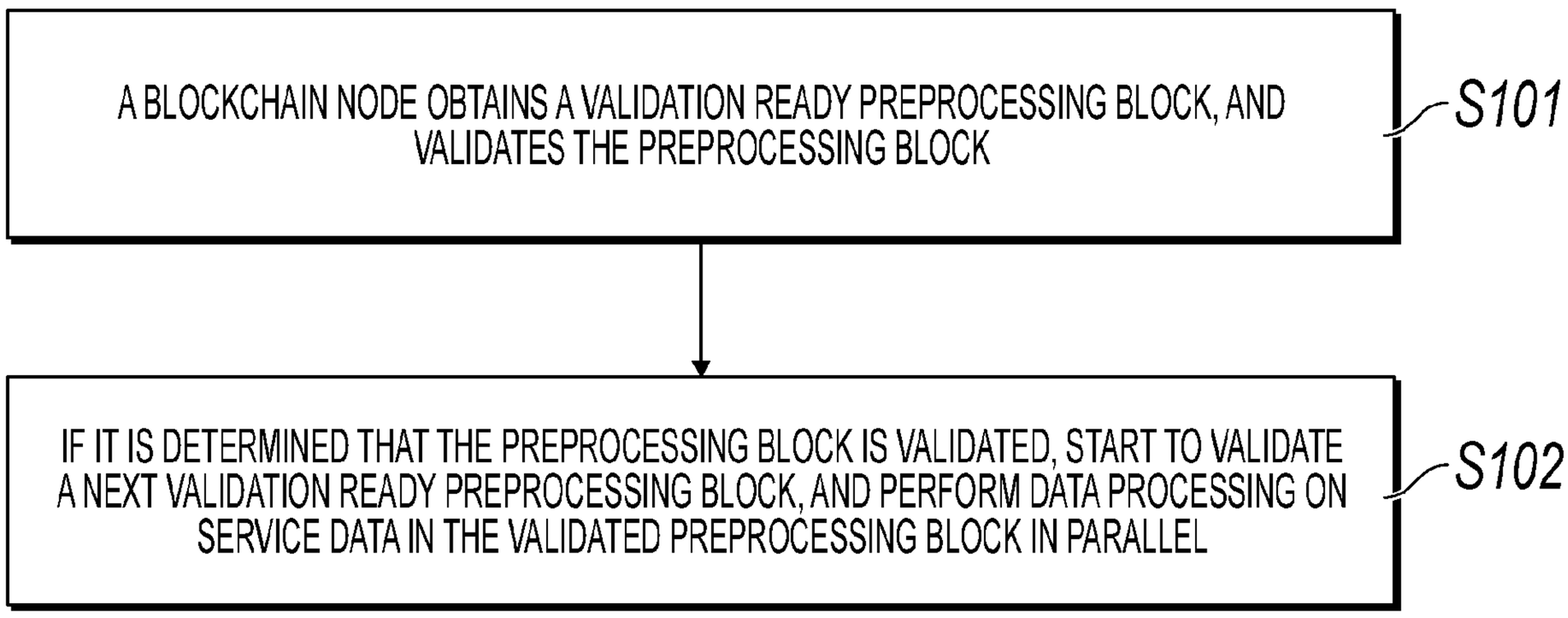

A BLOCKCHAIN NODE OBTAINS A VALIDATION READY PREPROCESSING BLOCK, AND VALIDATES THE PREPROCESSING BLOCK
S101
IF IT IS DETERMINED THAT THE PREPROCESSING BLOCK IS VALIDATED, START TO VALIDATE A NEXT VALIDATION READY PREPROCESSING BLOCK, AND PERFORM DATA PROCESSING ON SERVICE DATA IN THE VALIDATED PREPROCESSING BLOCK IN PARALLEL
S102

FIG. 1

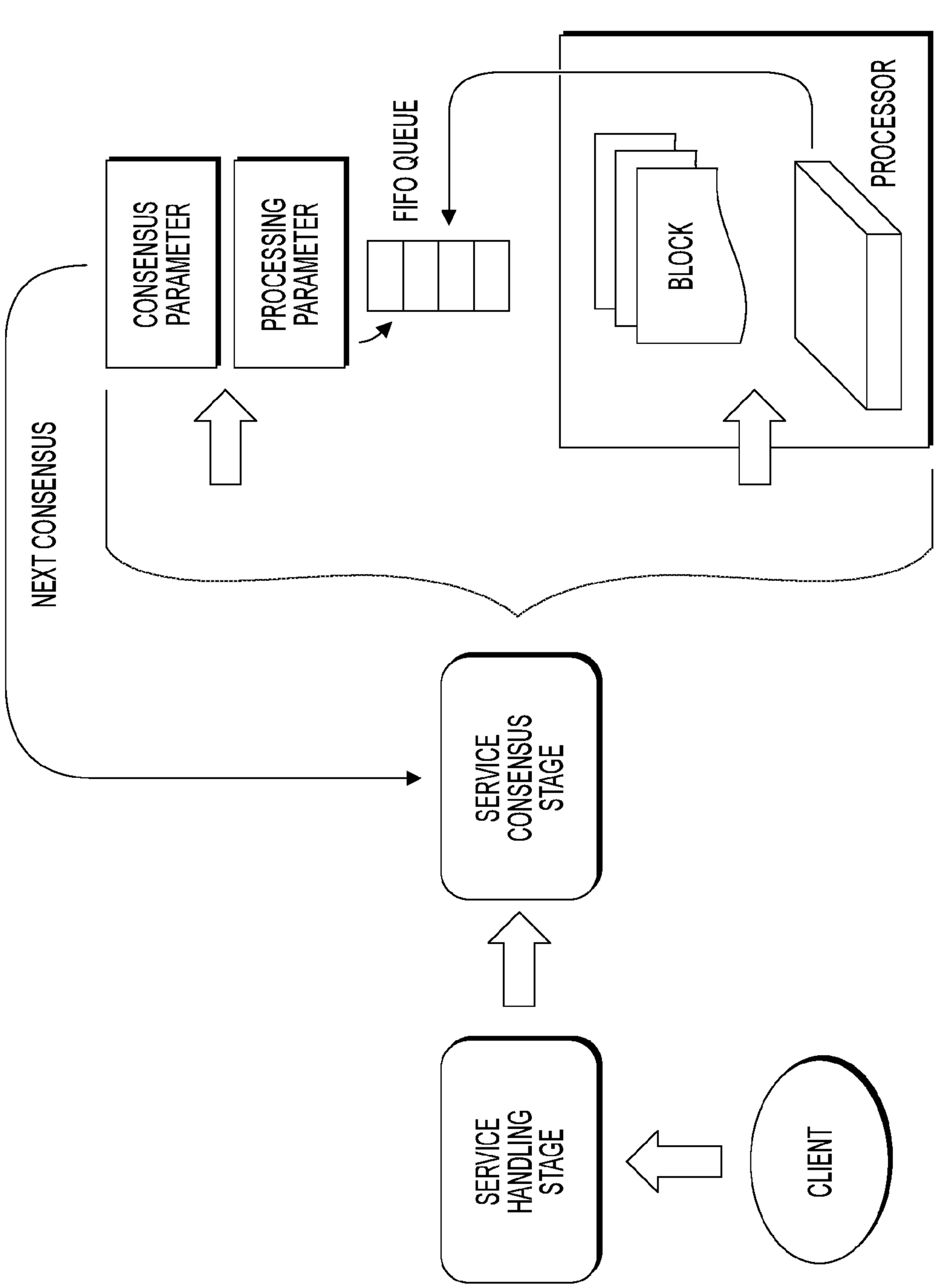

CLIENT
SERVICE HANDLING STAGE
SERVICE CONSENSUS STAGE
NEXT CONSENSUS
CONSENSUS PARAMETER
PROCESSING PARAMETER
FIFO QUEUE
BLOCK
PROCESSOR

FIG. 2

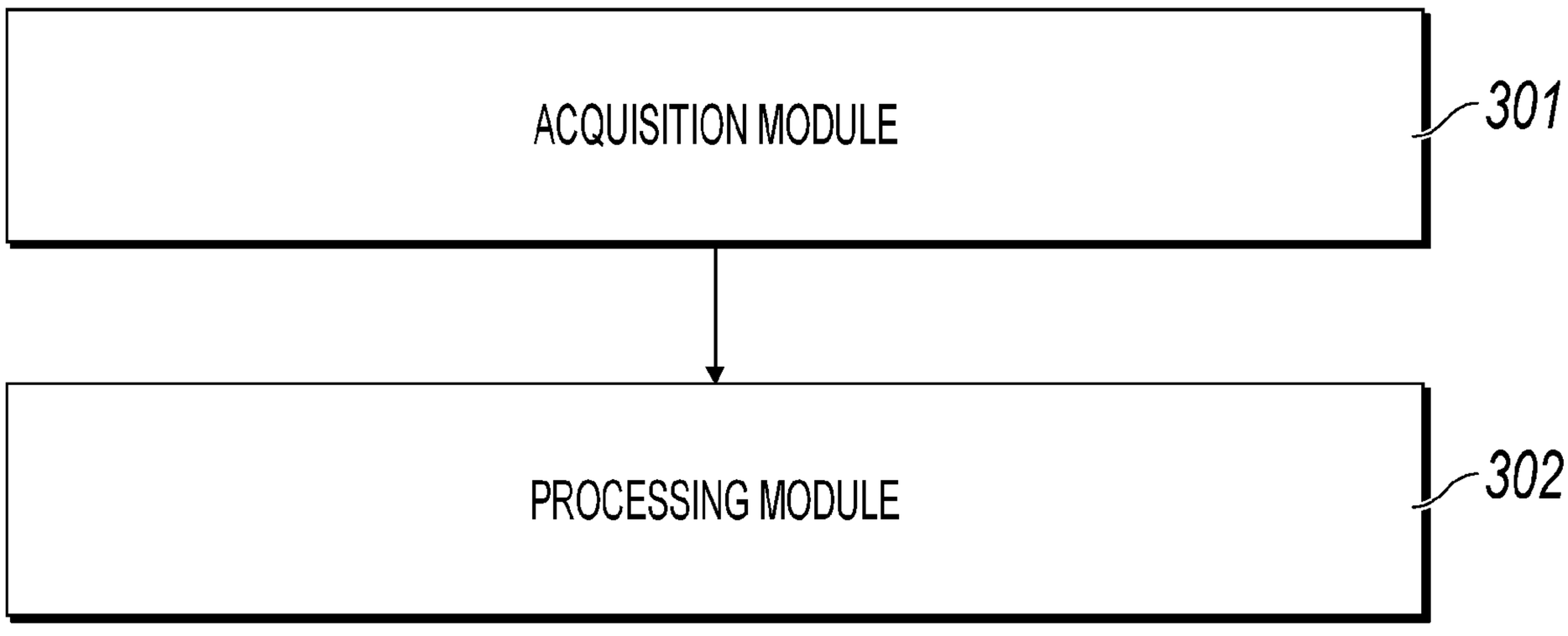


FIG. 3

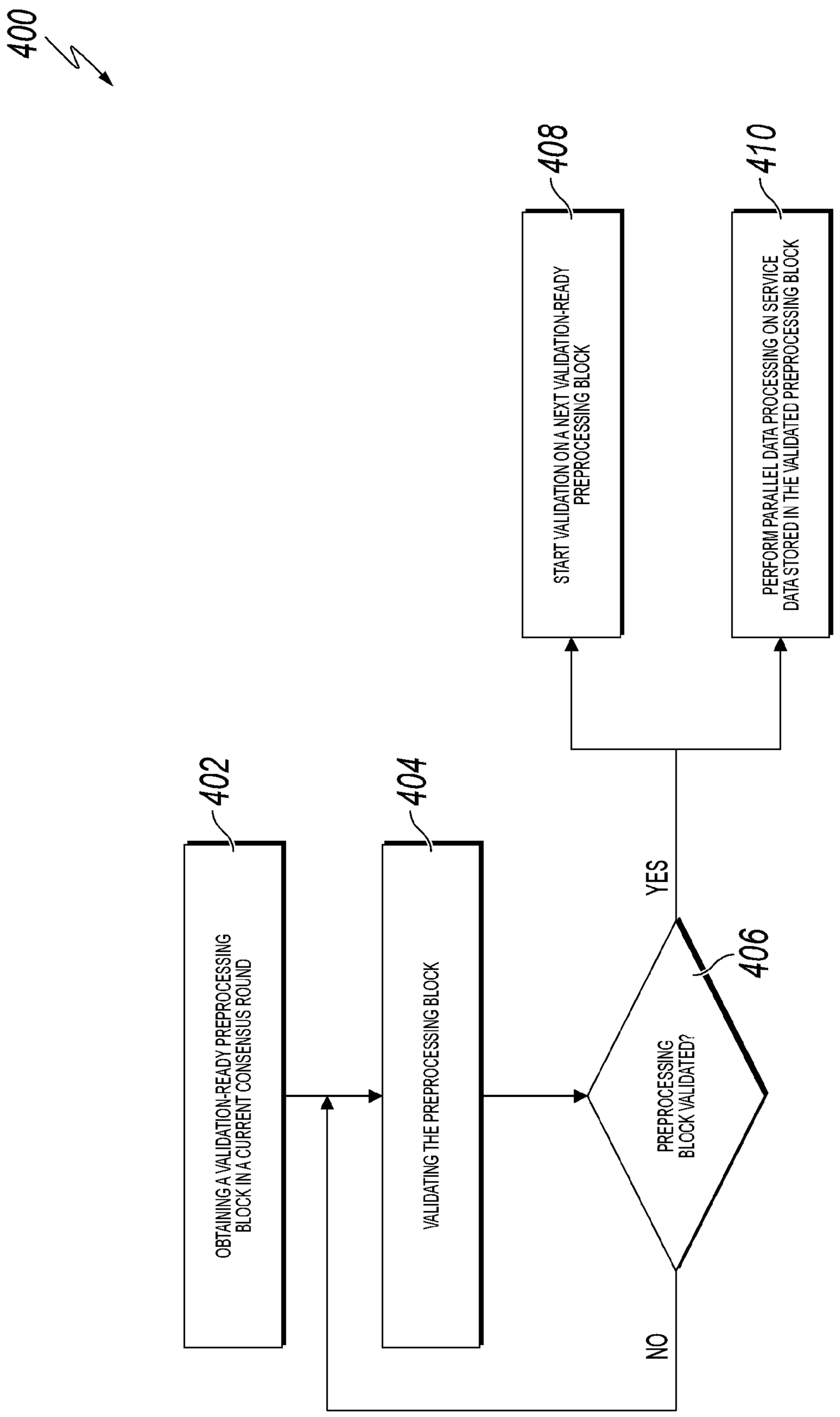

400
402
OBTAINING A VALIDATION-READY PREPROCESSING BLOCK IN A CURRENT CONSENSUS ROUND
404
VALIDATING THE PREPROCESSING BLOCK
406
PREPROCESSING BLOCK VALIDATED?
YES
NO
408
START VALIDATION ON A NEXT VALIDATION-READY PREPROCESSING BLOCK
410
PERFORM PARALLEL DATA PROCESSING ON SERVICE DATA STORED IN THE VALIDATED PREPROCESSING BLOCK

FIG. 4