

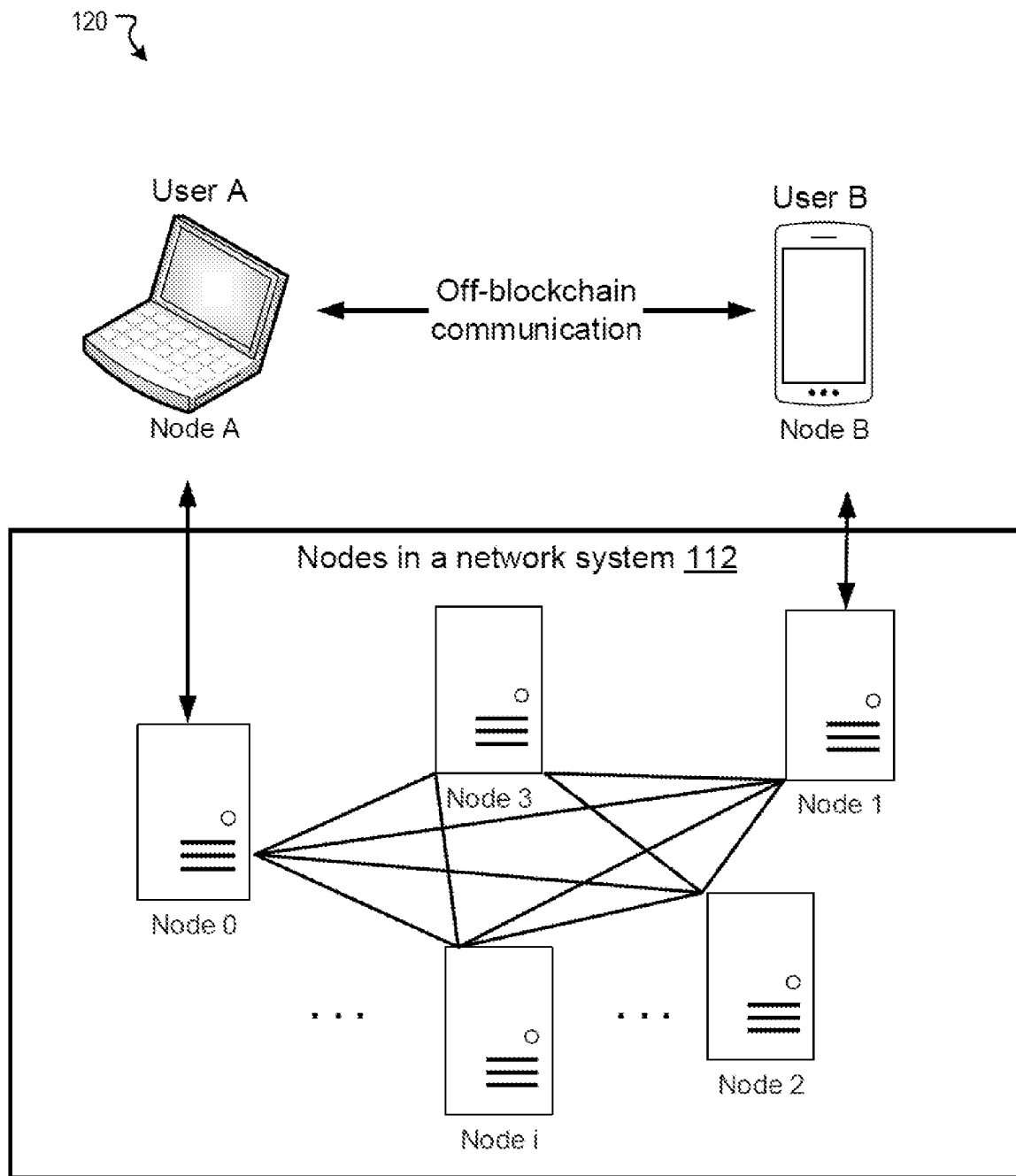


FIG. 1

Normal operation protocol

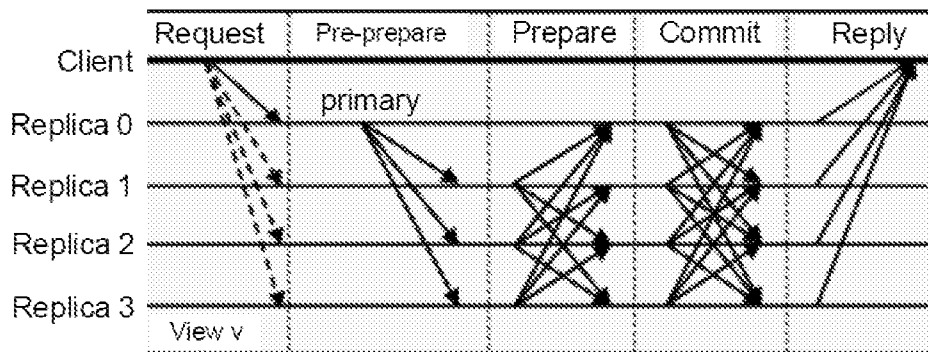


FIG. 2A

Normal operation protocol with one faulty backup node

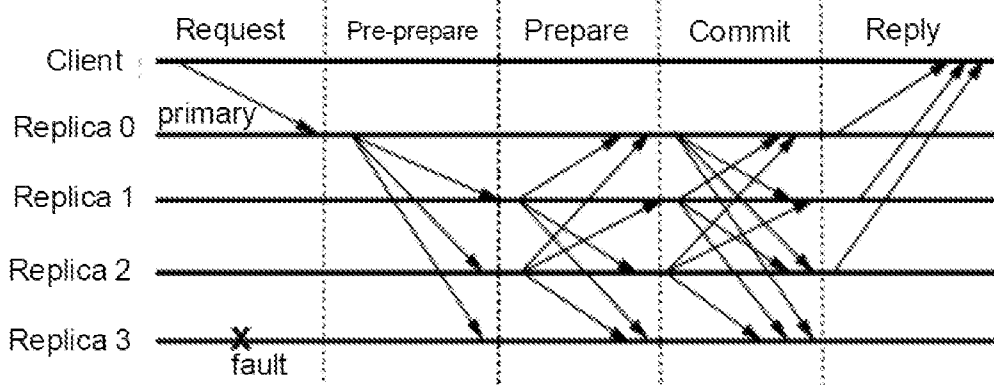


FIG. 2B

Normal operation protocol

View change protocol

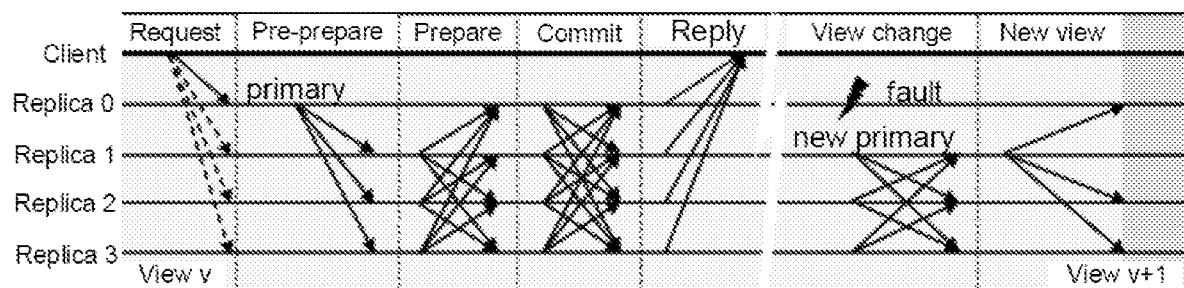


FIG. 2C

Normal operation protocol

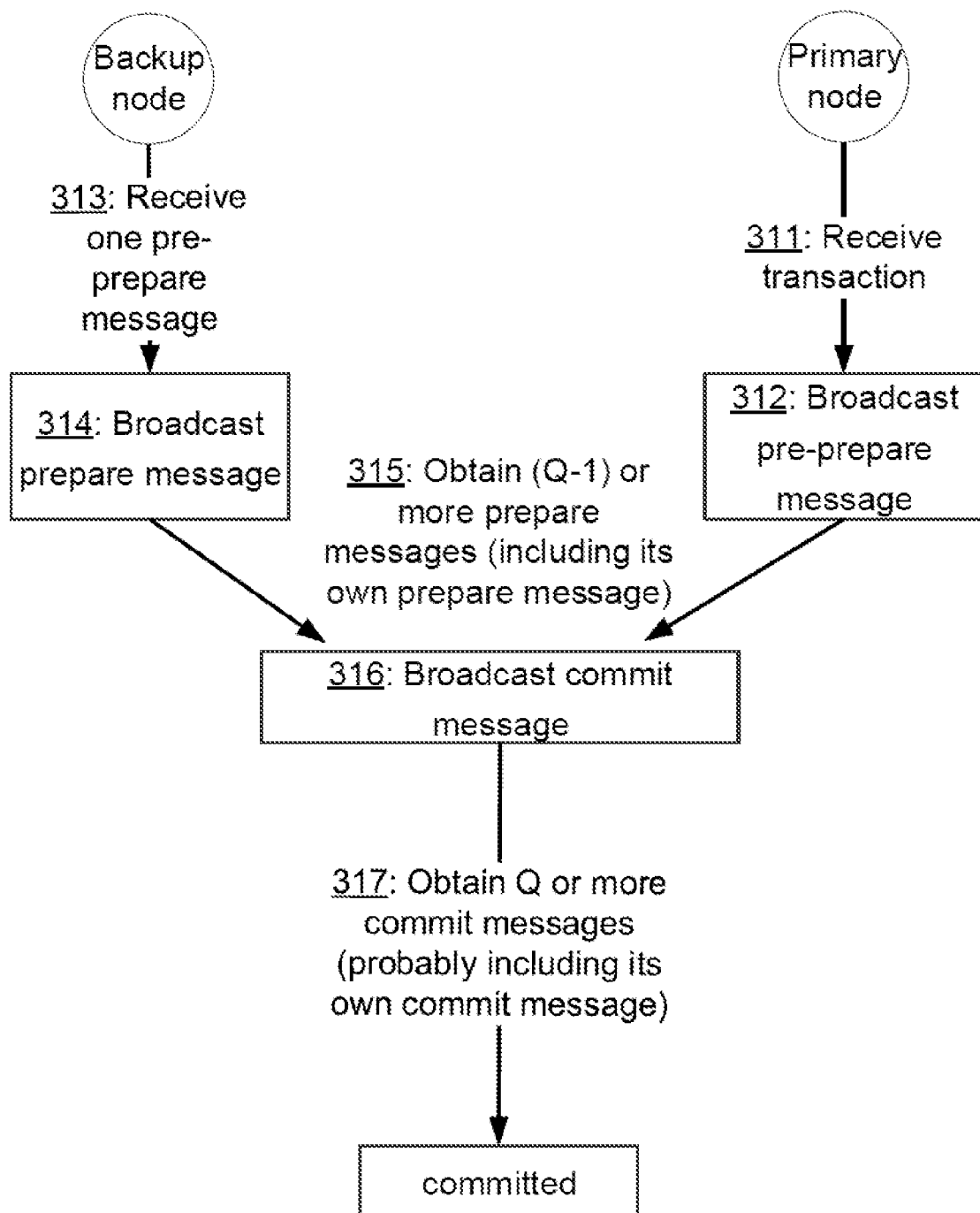


FIG. 3A

View change protocol

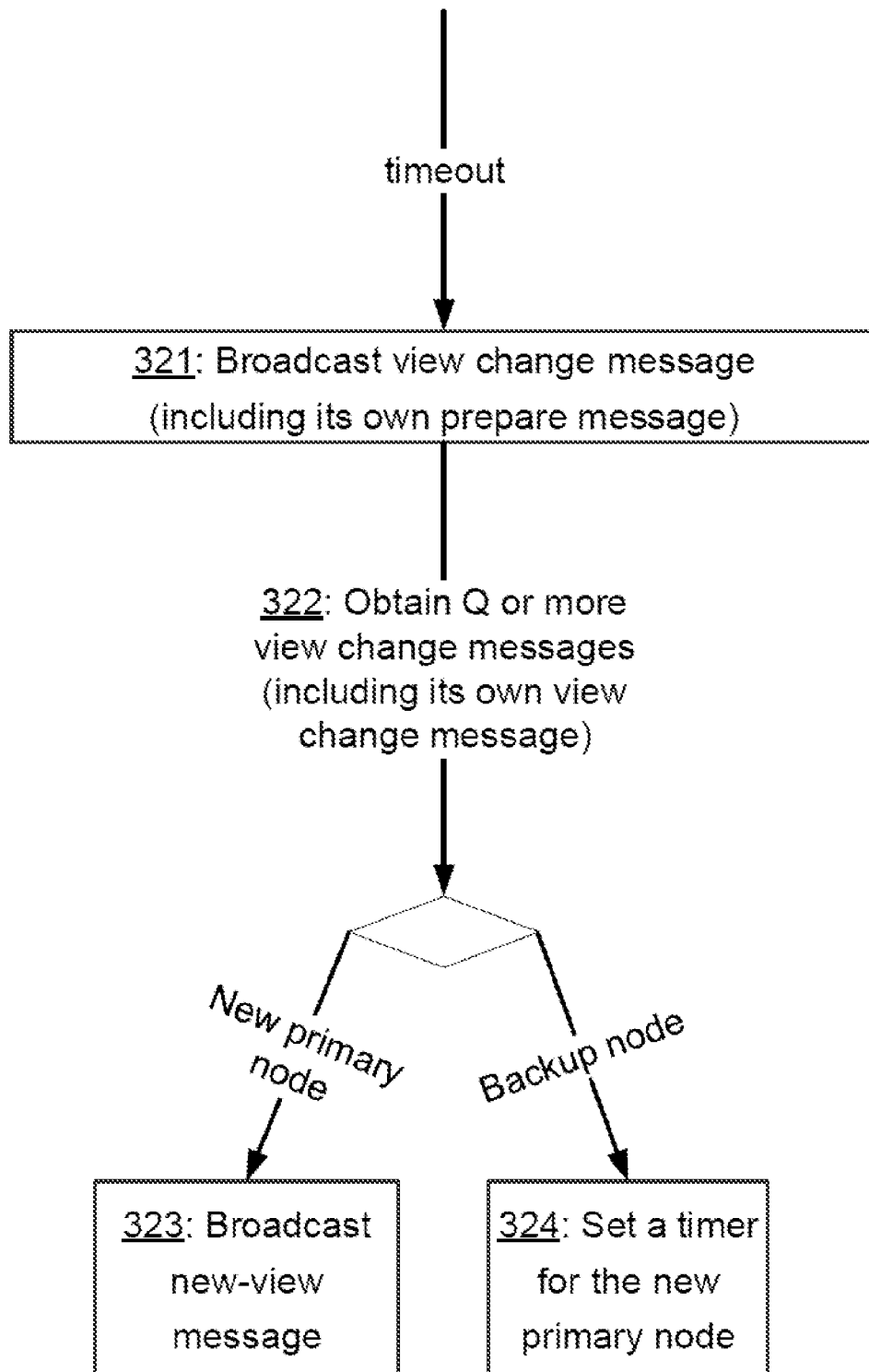


FIG. 3B

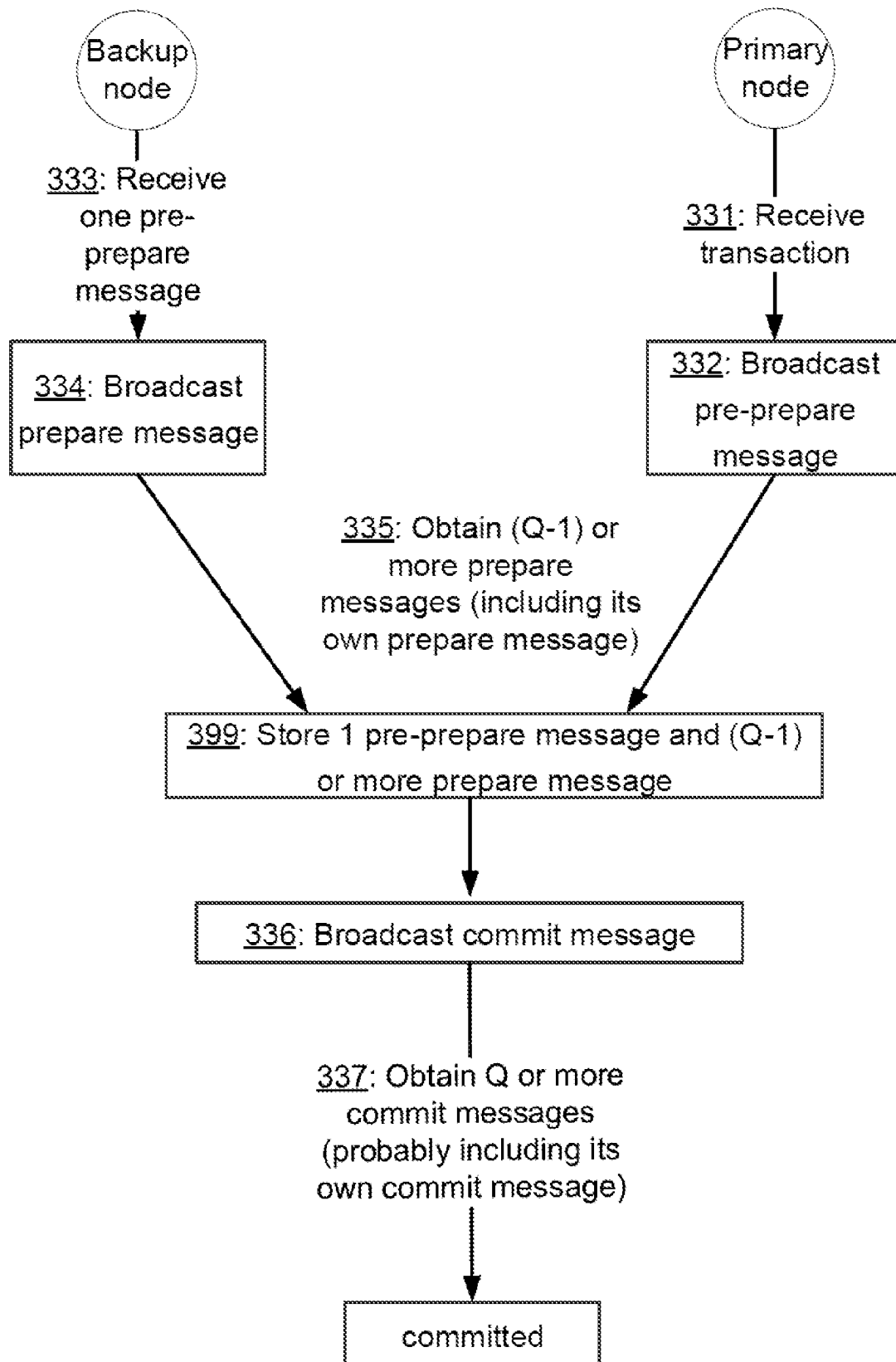


FIG. 3C

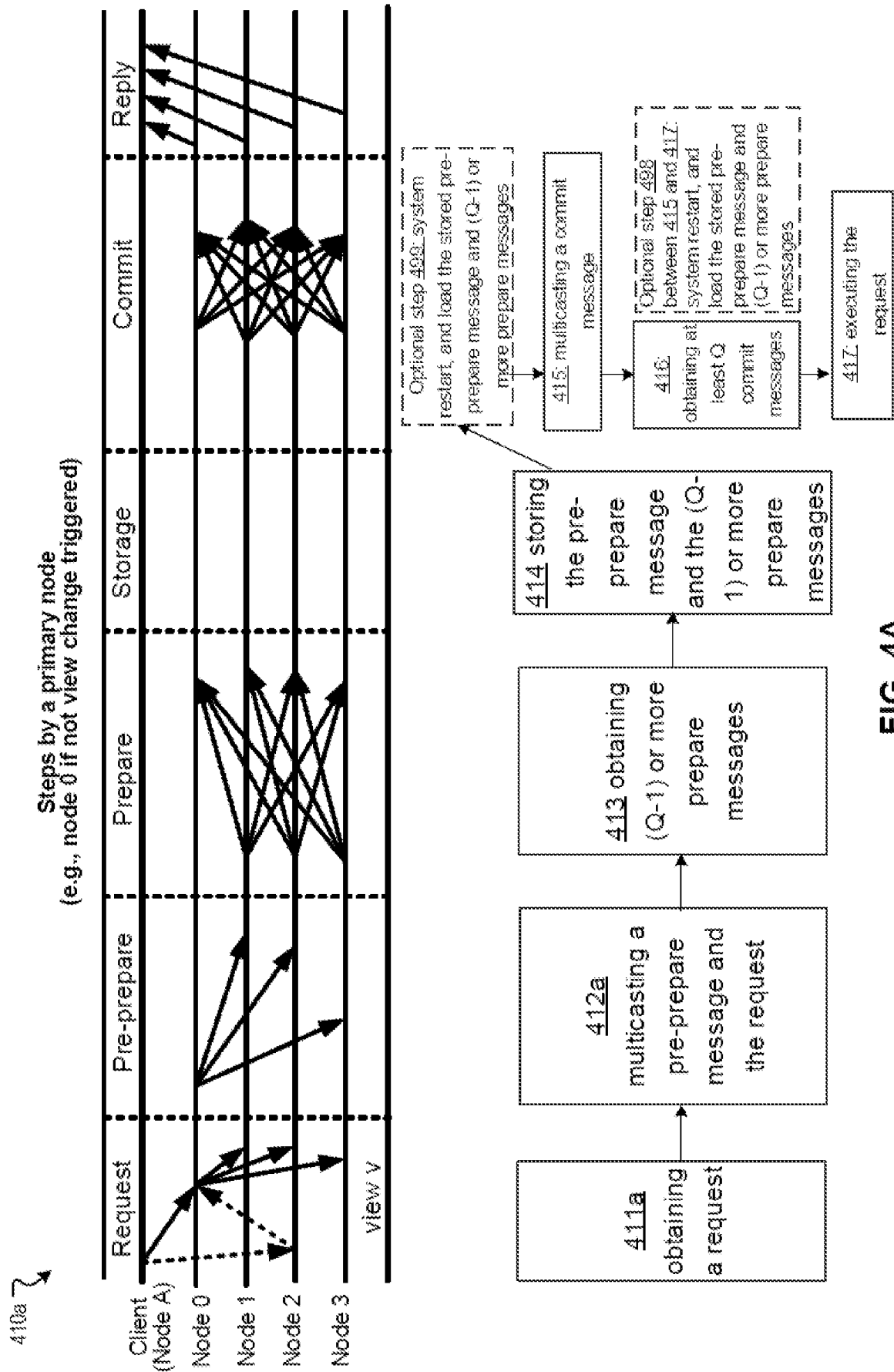


FIG. 4A

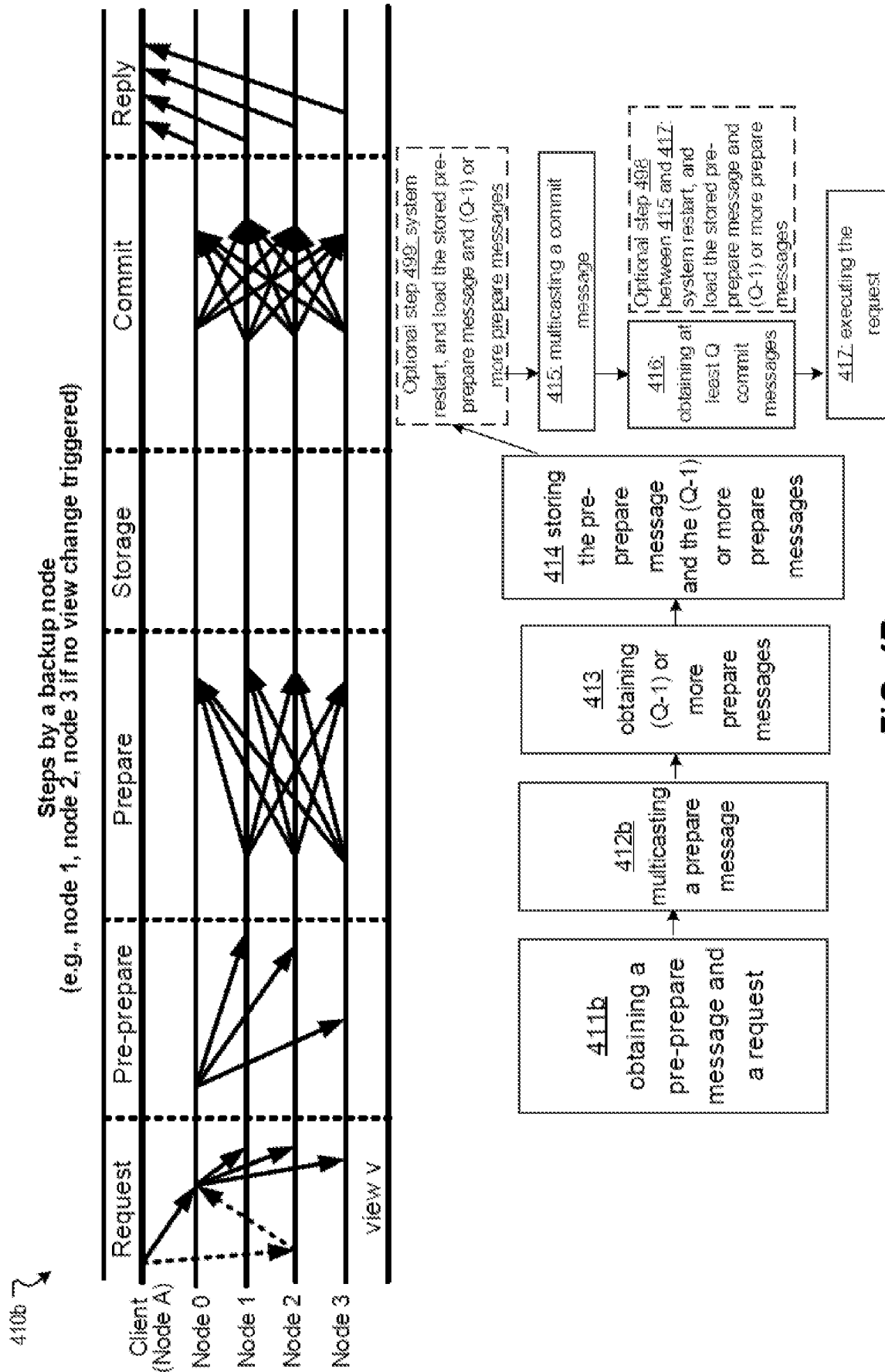


FIG. 4B

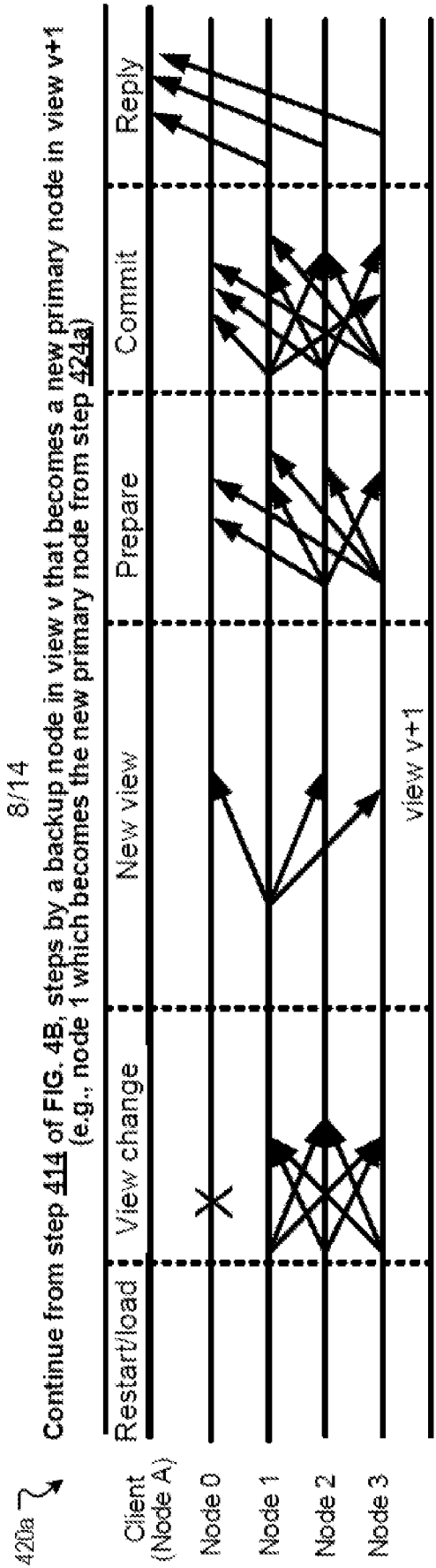
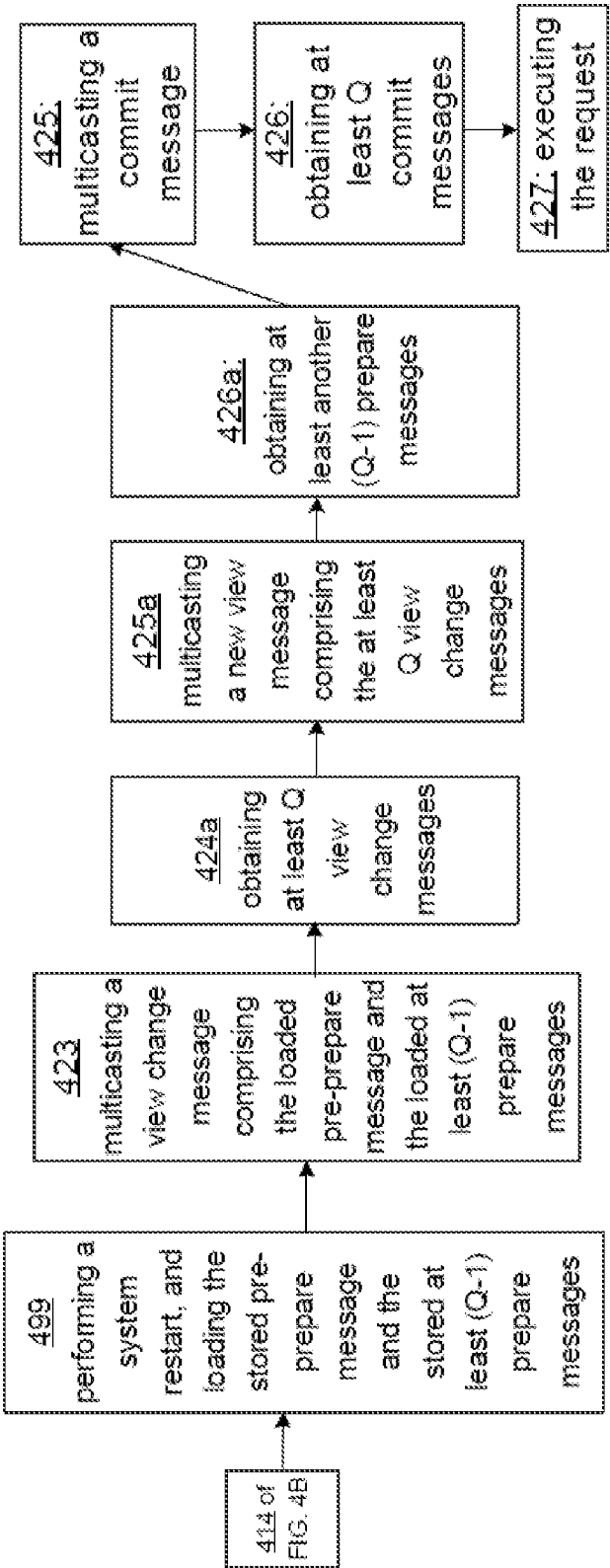


FIG. 4C

420b ↗

Continue from step 414 of FIG. 4B, steps by a backup node in view v that remains as a backup node in view v+1
(e.g., node 2, node 3)

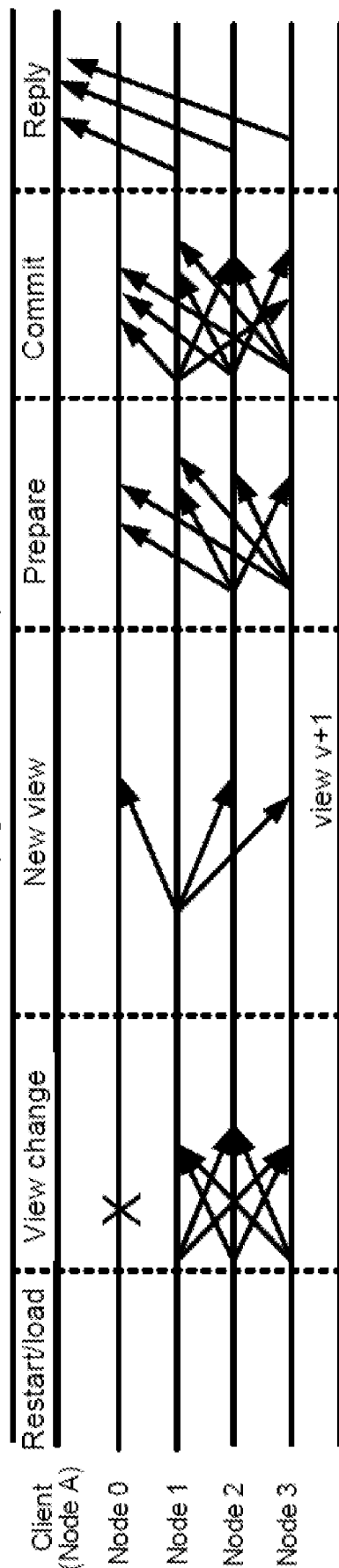
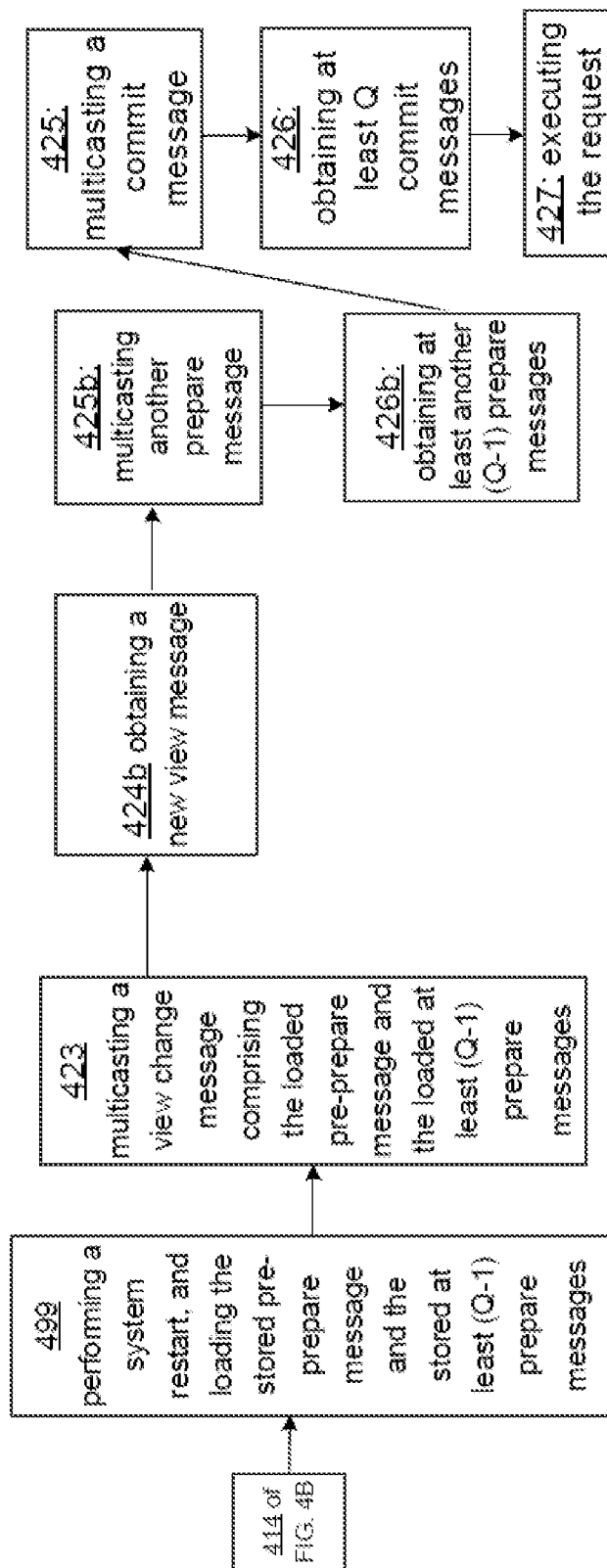
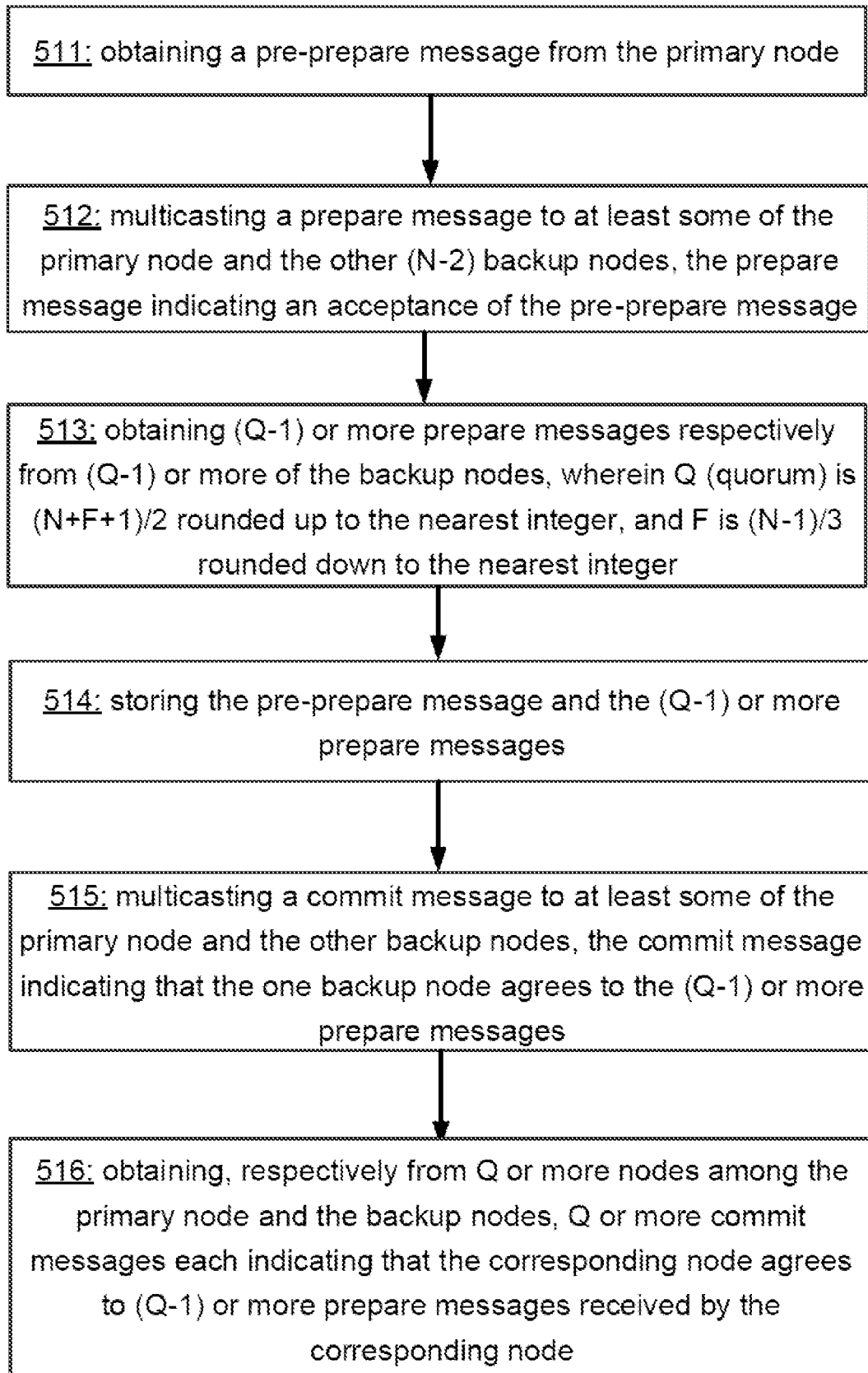


FIG. 4D

510 ↘

**FIG. 5A**

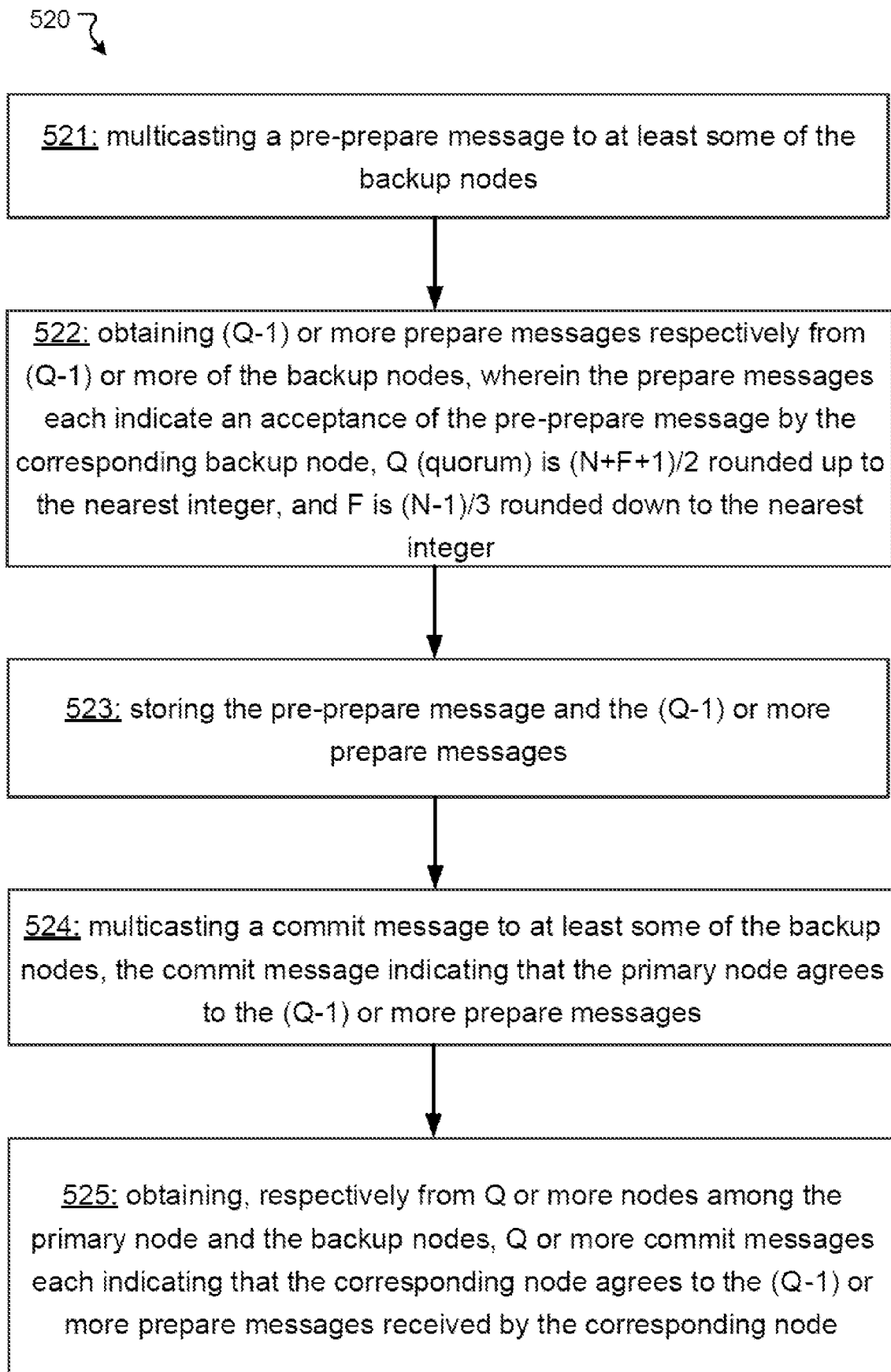


FIG. 5B

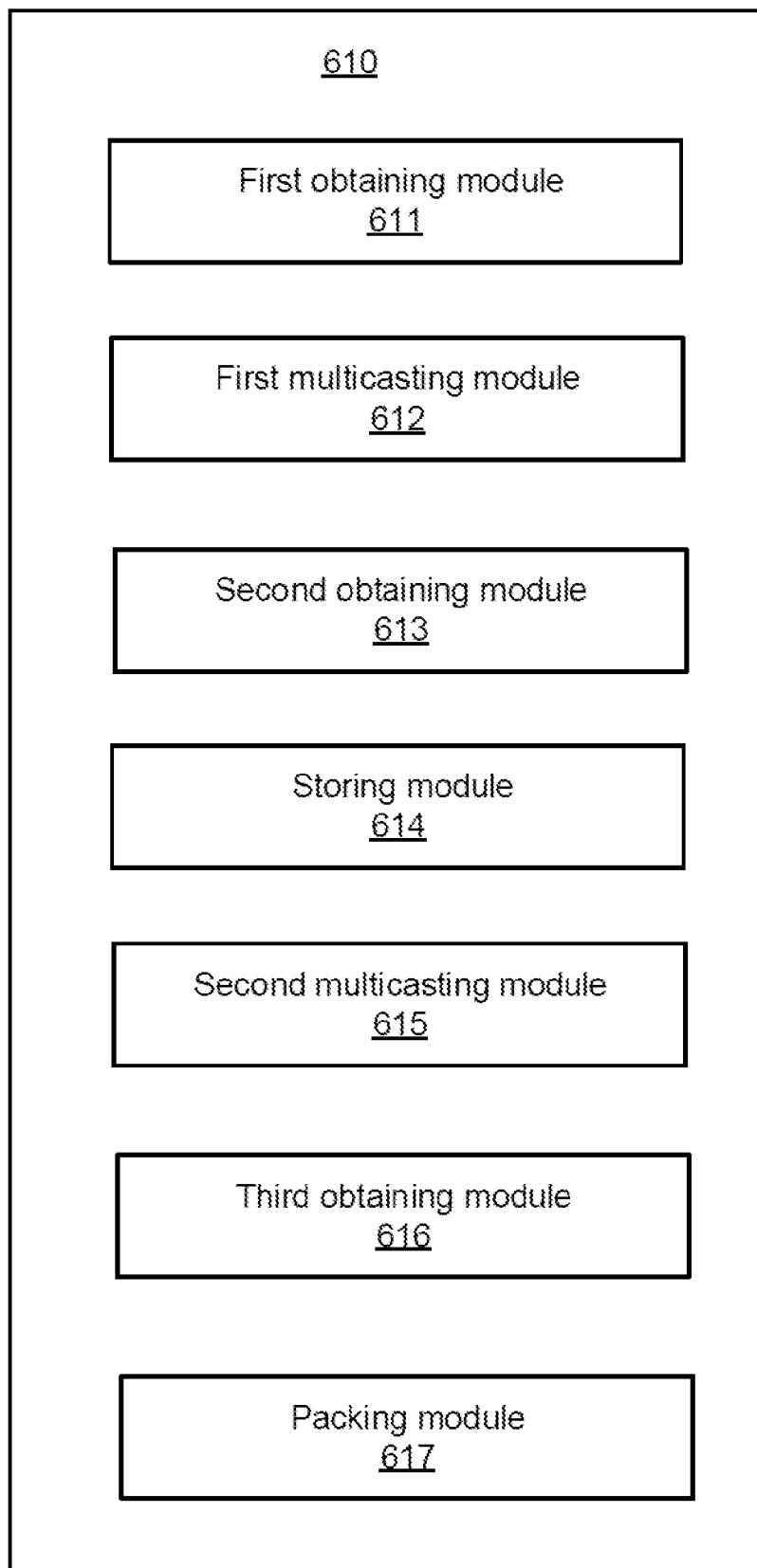
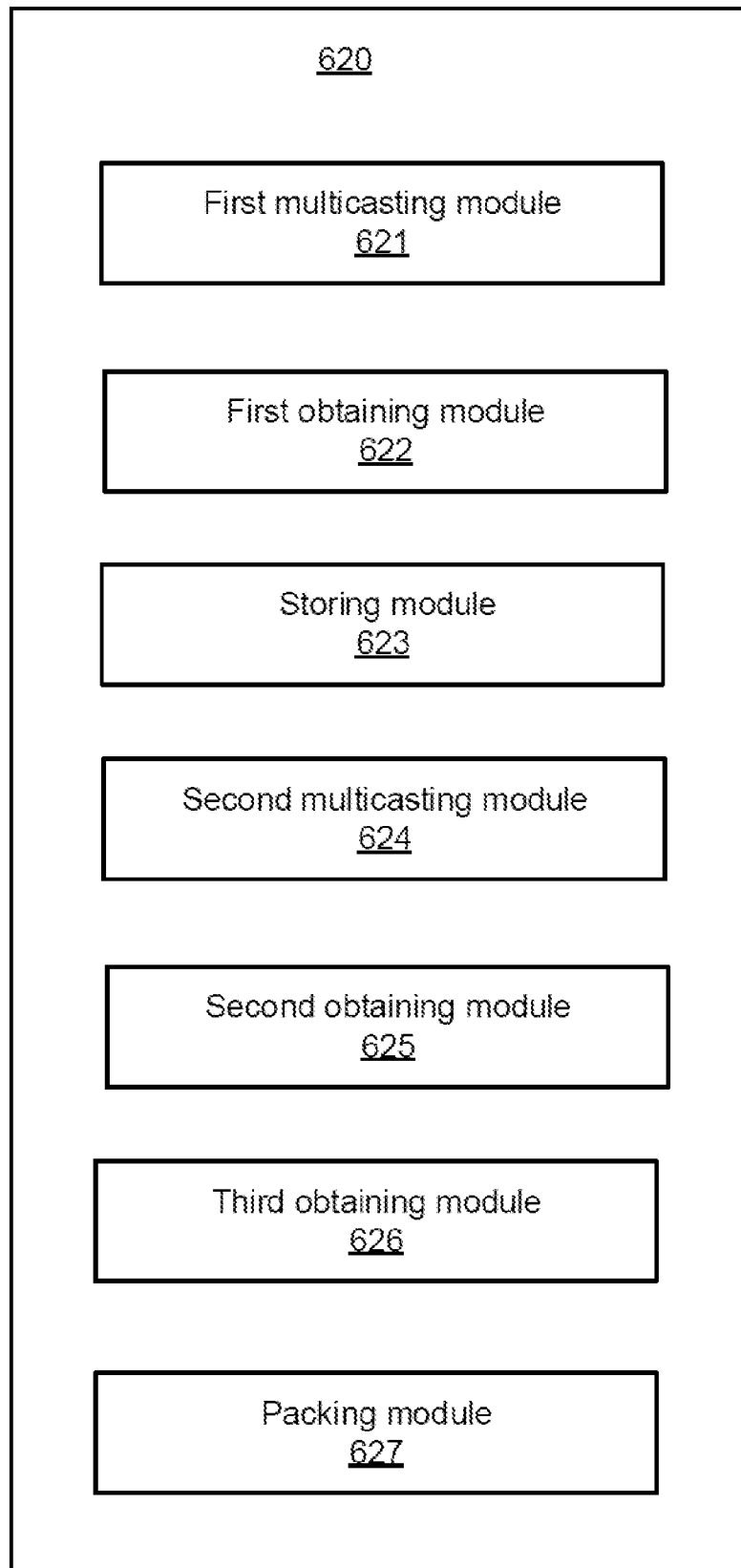


FIG. 6A

**FIG. 6B**

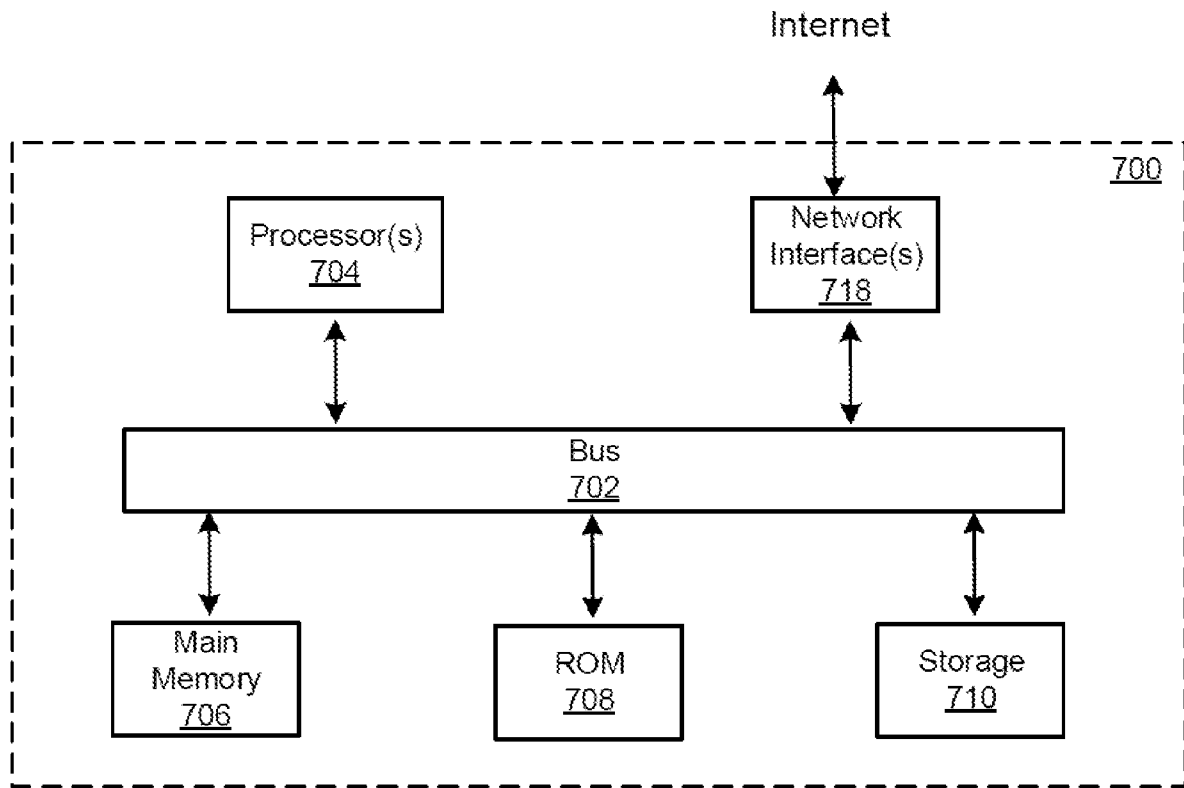


FIG. 7