

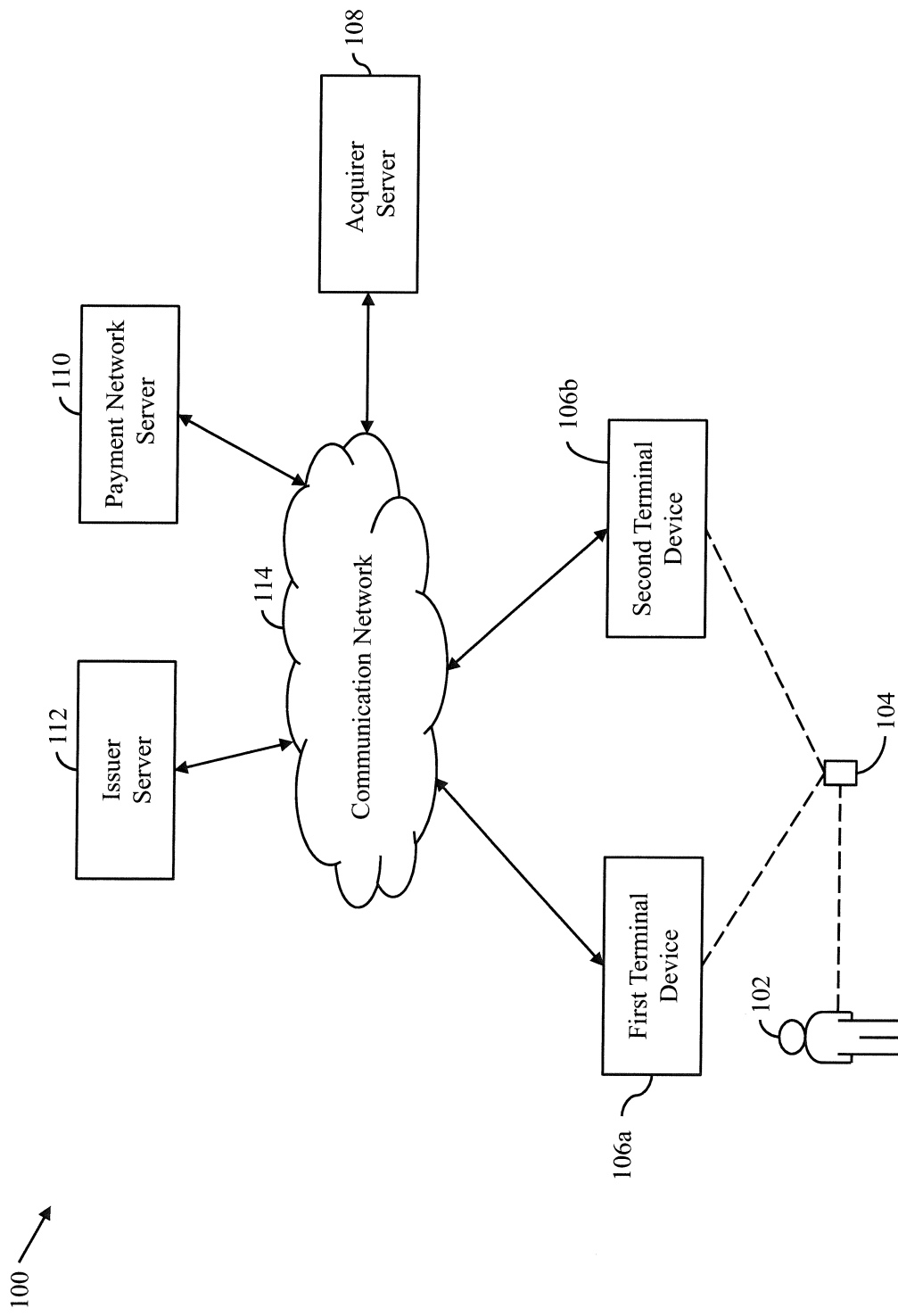


FIG. 1

106a →

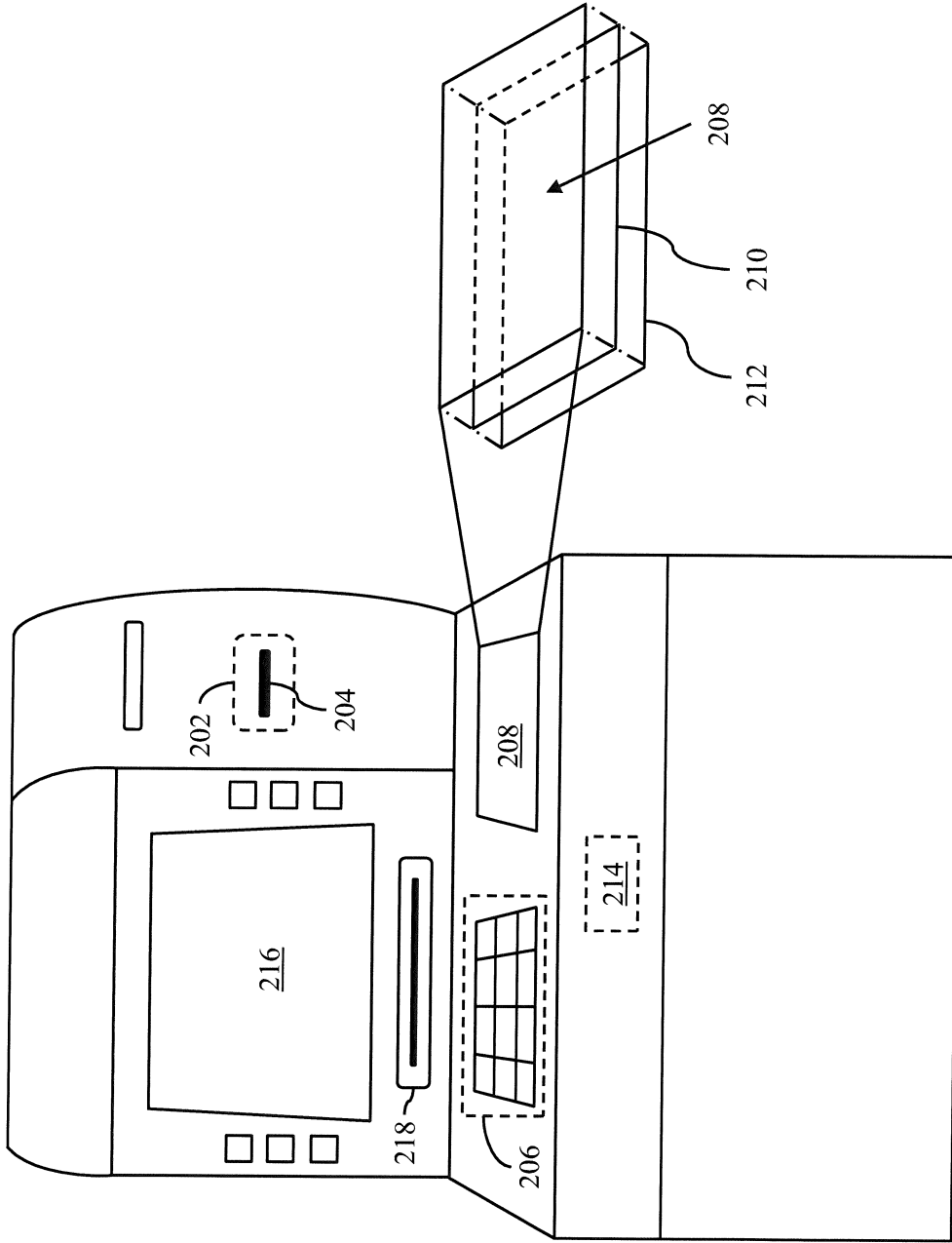
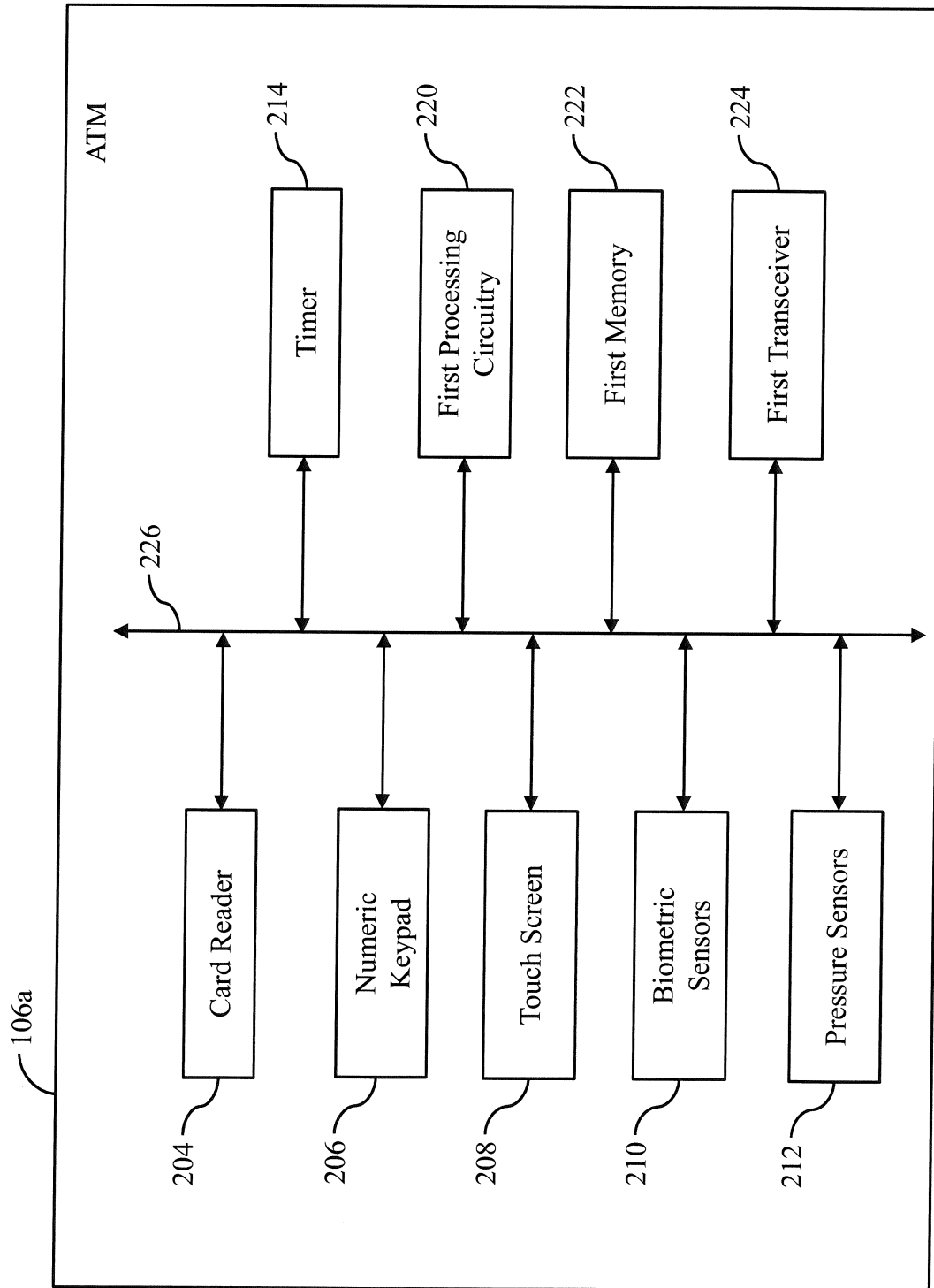


FIG. 2A

**FIG. 2B**

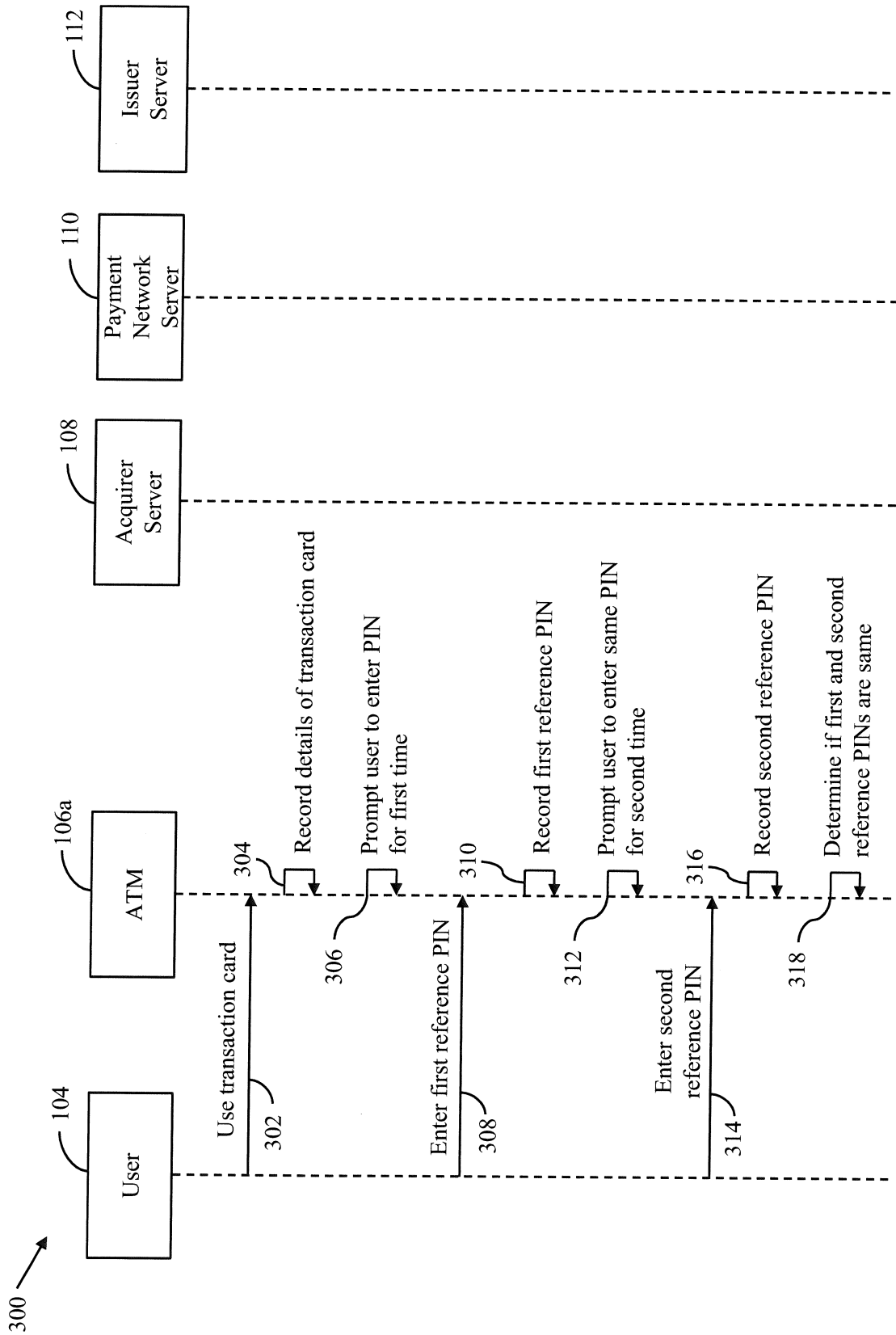


FIG. 3A

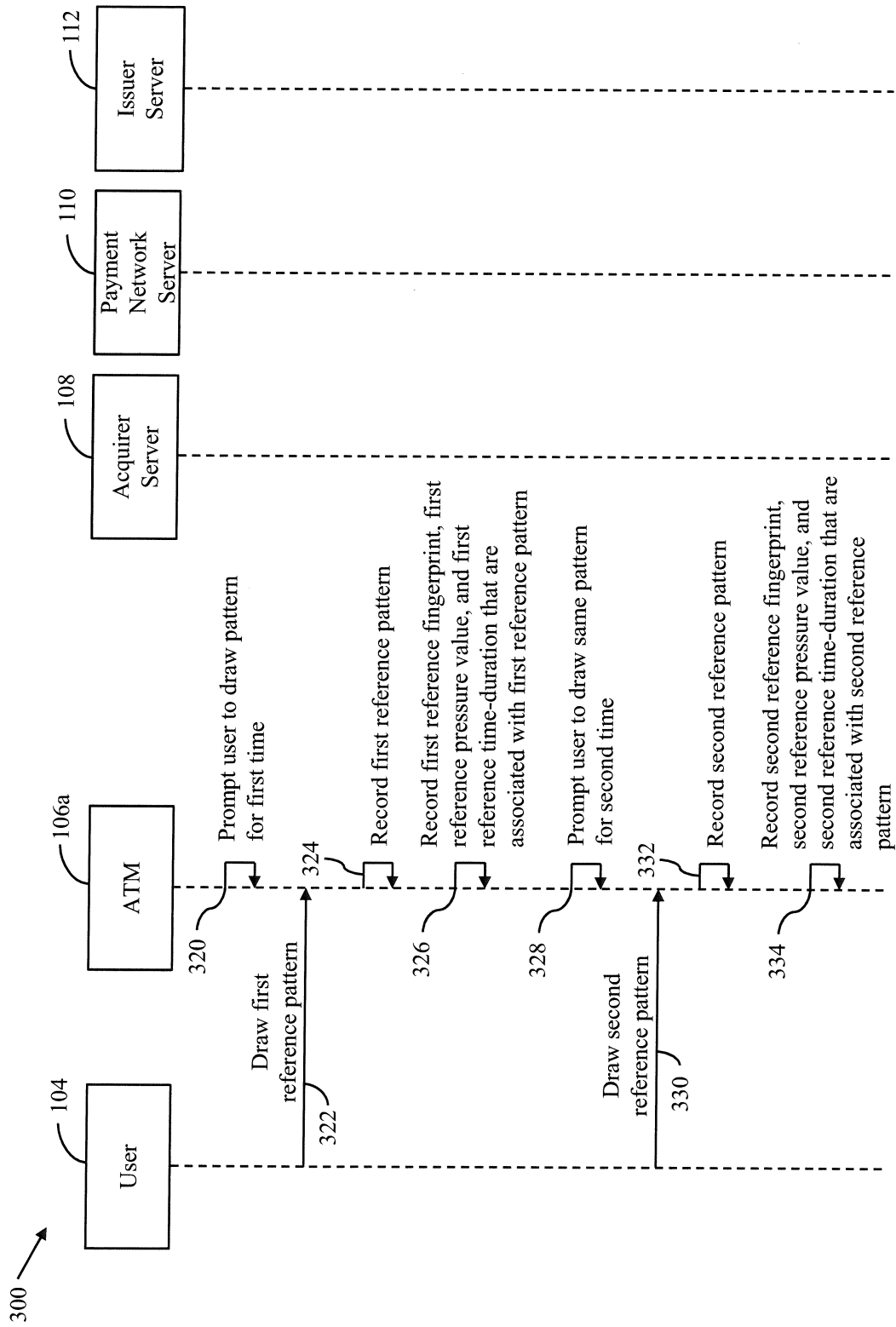


FIG. 3B

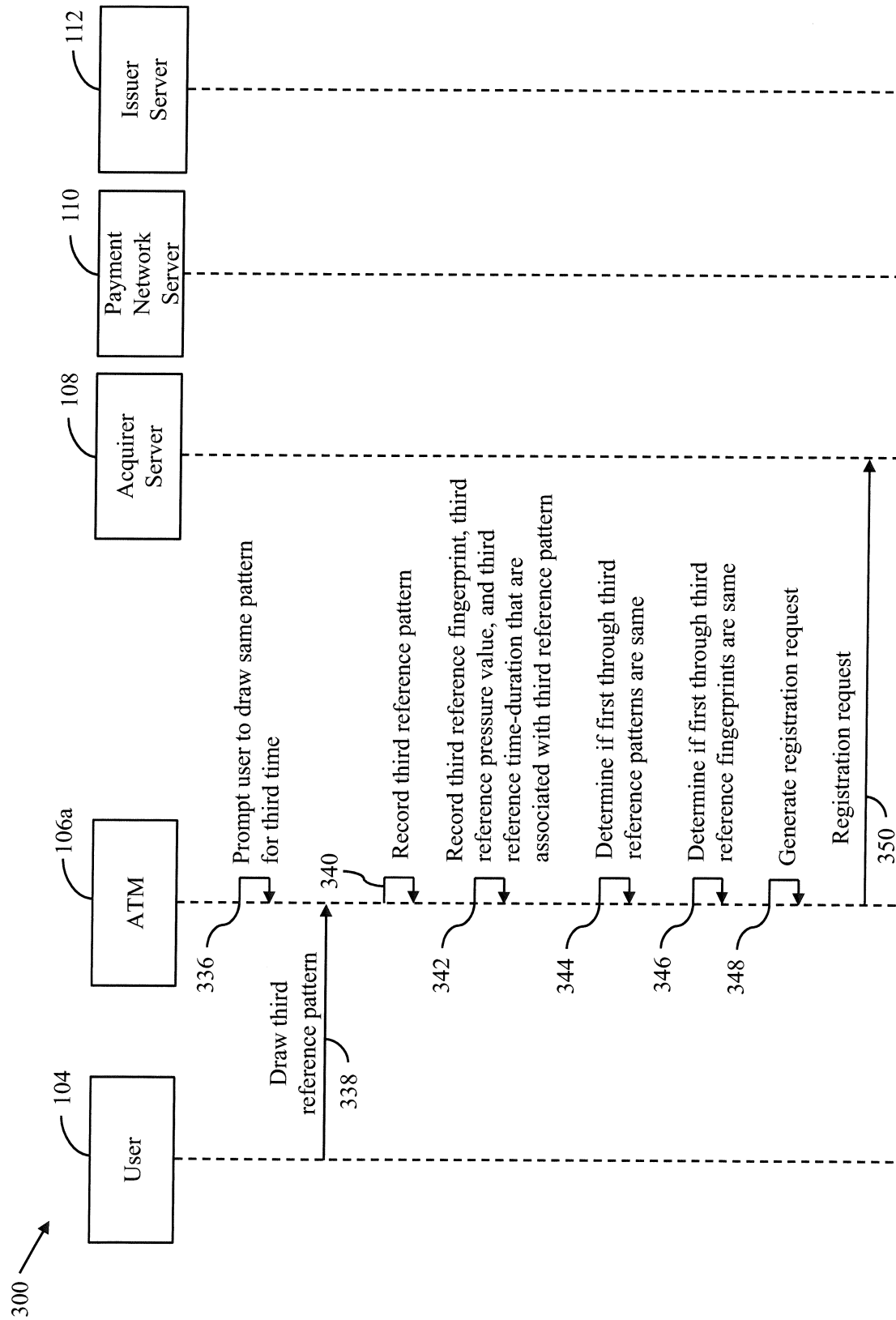


FIG. 3C

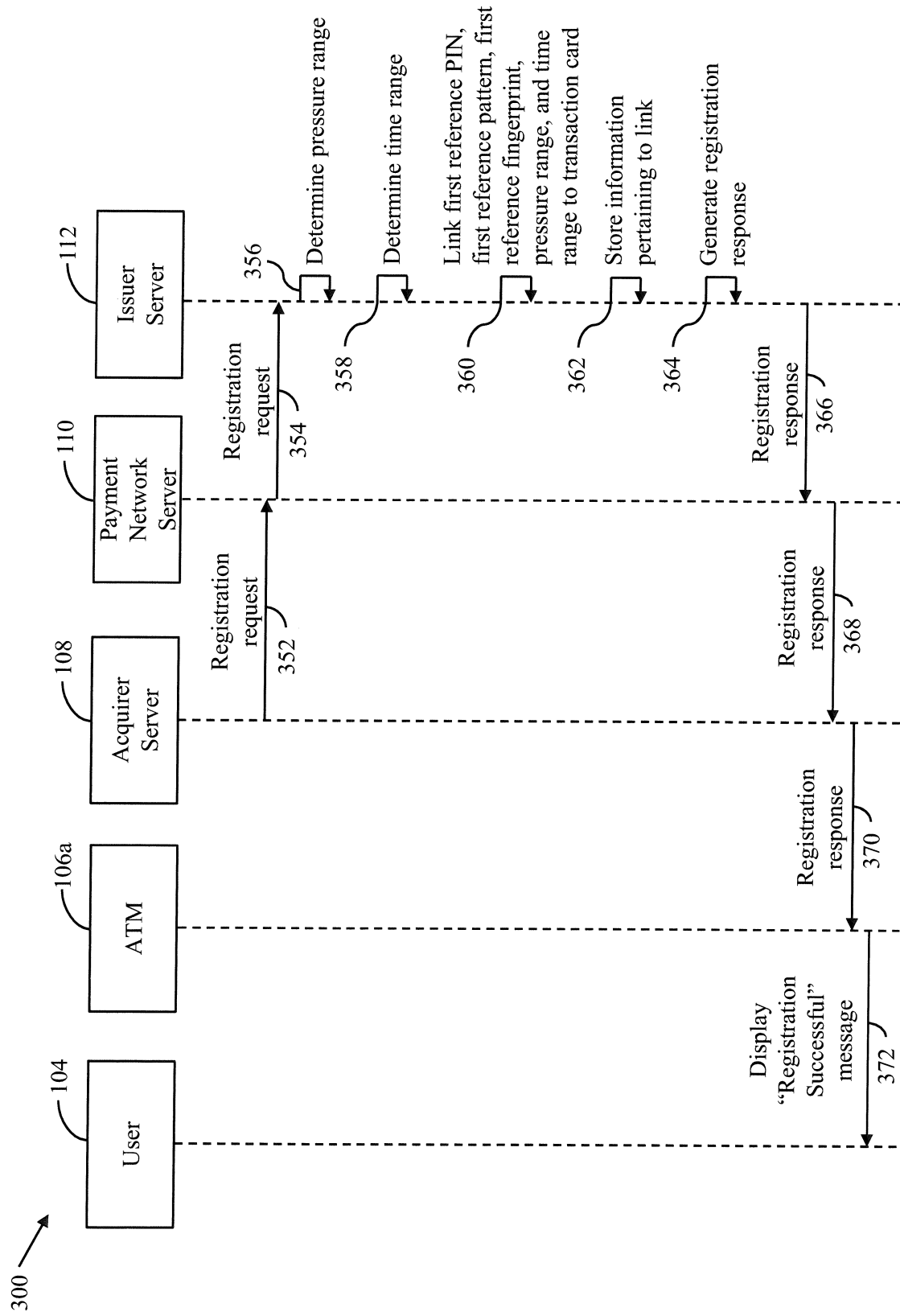


FIG. 3D

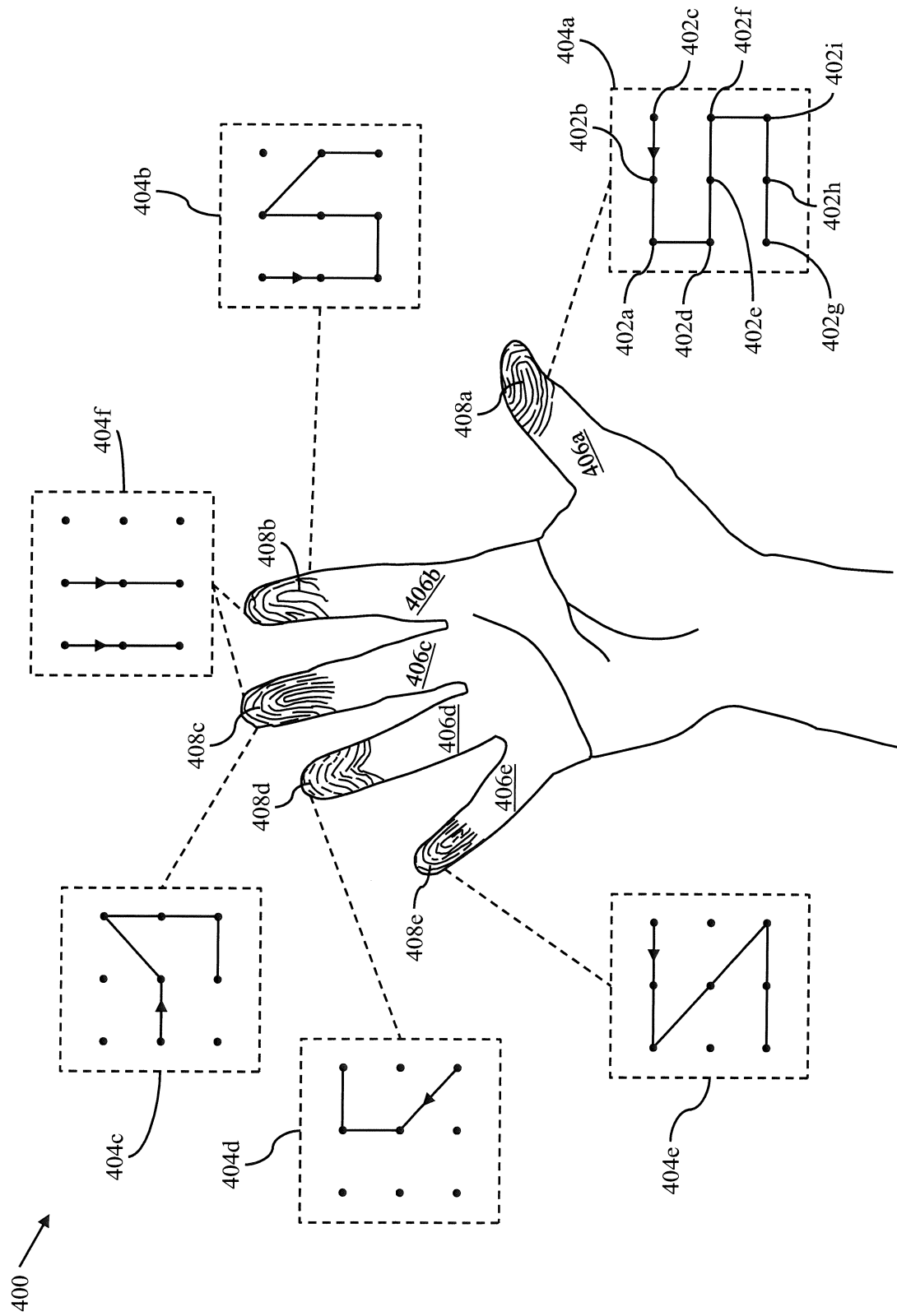


FIG. 4

500 →

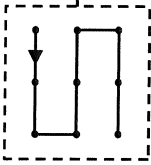
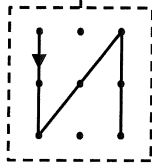
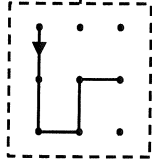
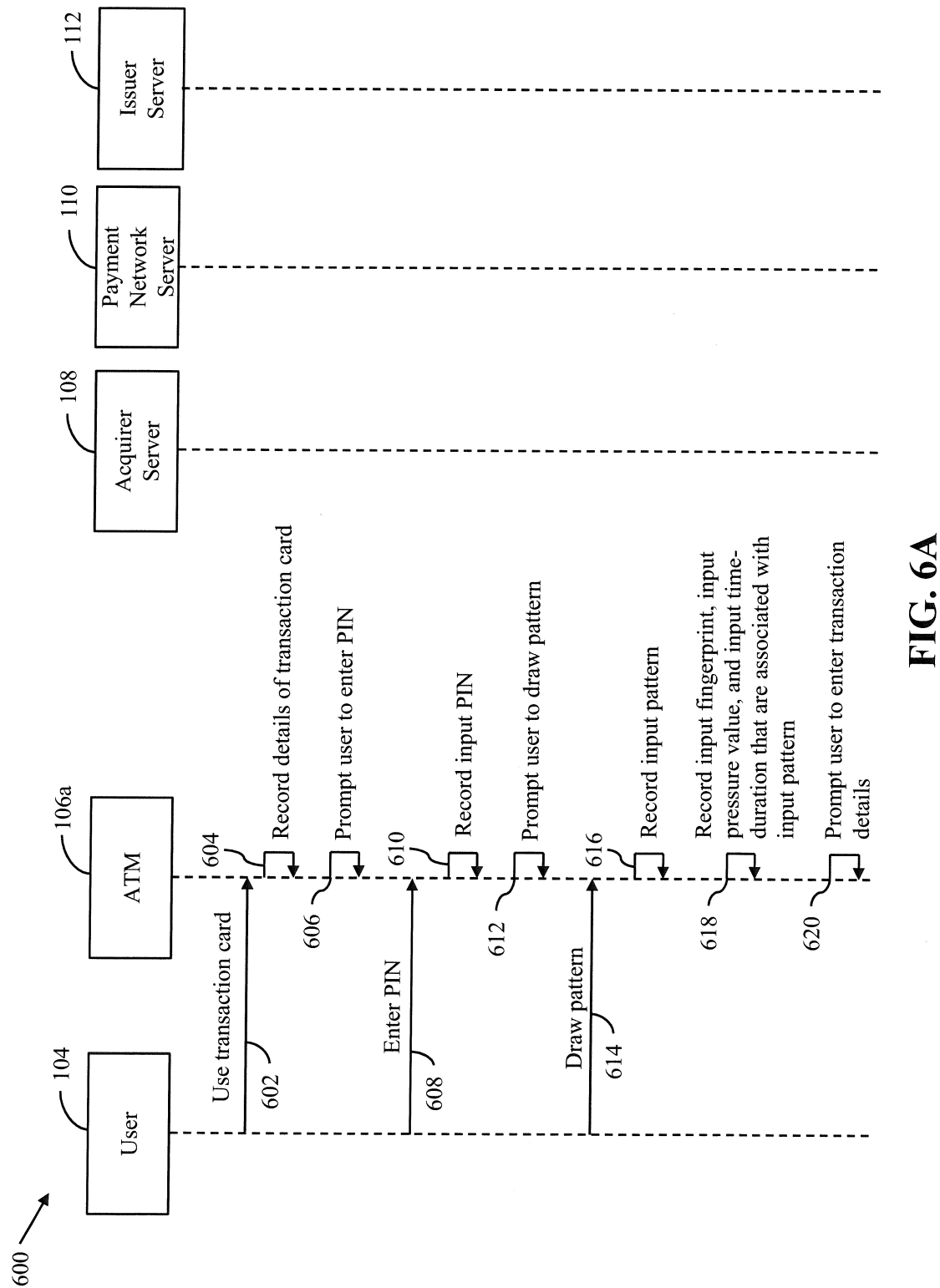
504a →	504b →	504c →	504d →	504e →	504f →	504g →	504h →
User-name	Account number	Card Number	Reference PIN	Reference Pattern	Reference Fingerprint	Pressure Range (Pascals)	Time Range (seconds)
502a → User A	100100	4000400	5475	404a 	408a 	0.29 to 0.31	1.60 to 1.80
502b → User A	100100	4000400	5475	404e 	408e 	0.25 to 0.27	1.32 to 1.54
502c → User B	200200	5000500	1201	506 	508 	0.28 to 0.30	1.05 to 1.30

FIG. 5



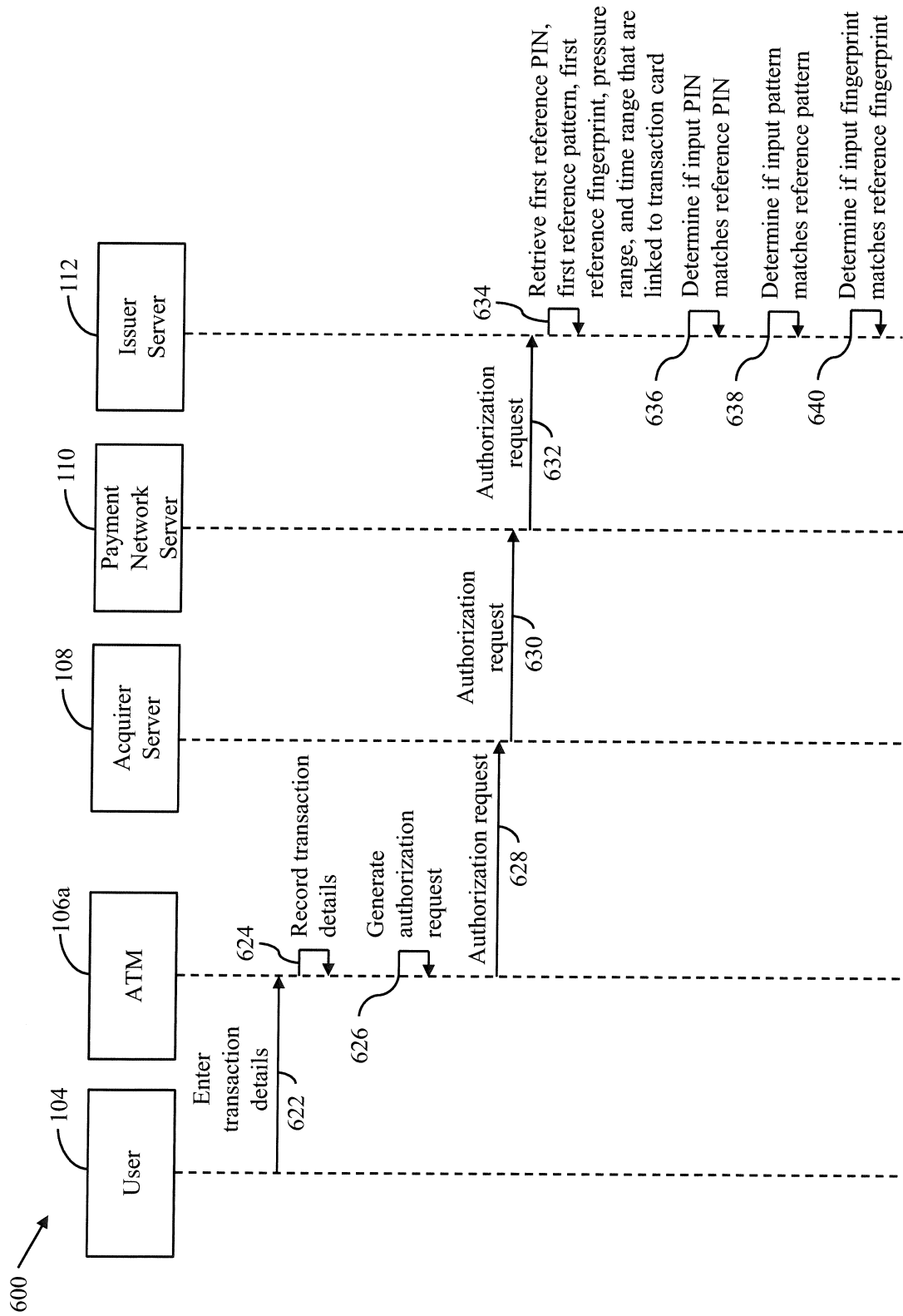


FIG. 6B

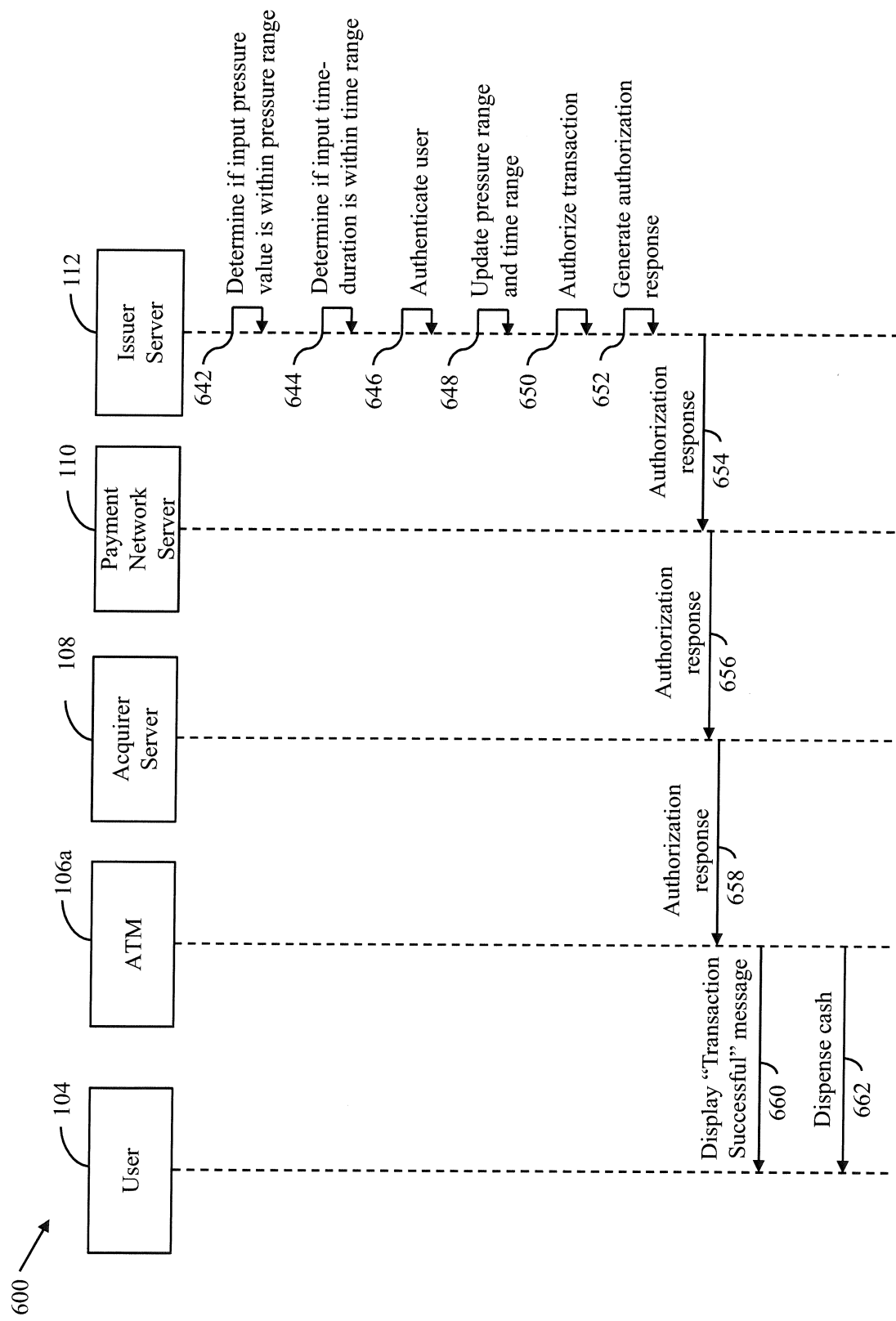


FIG. 6C

106b →

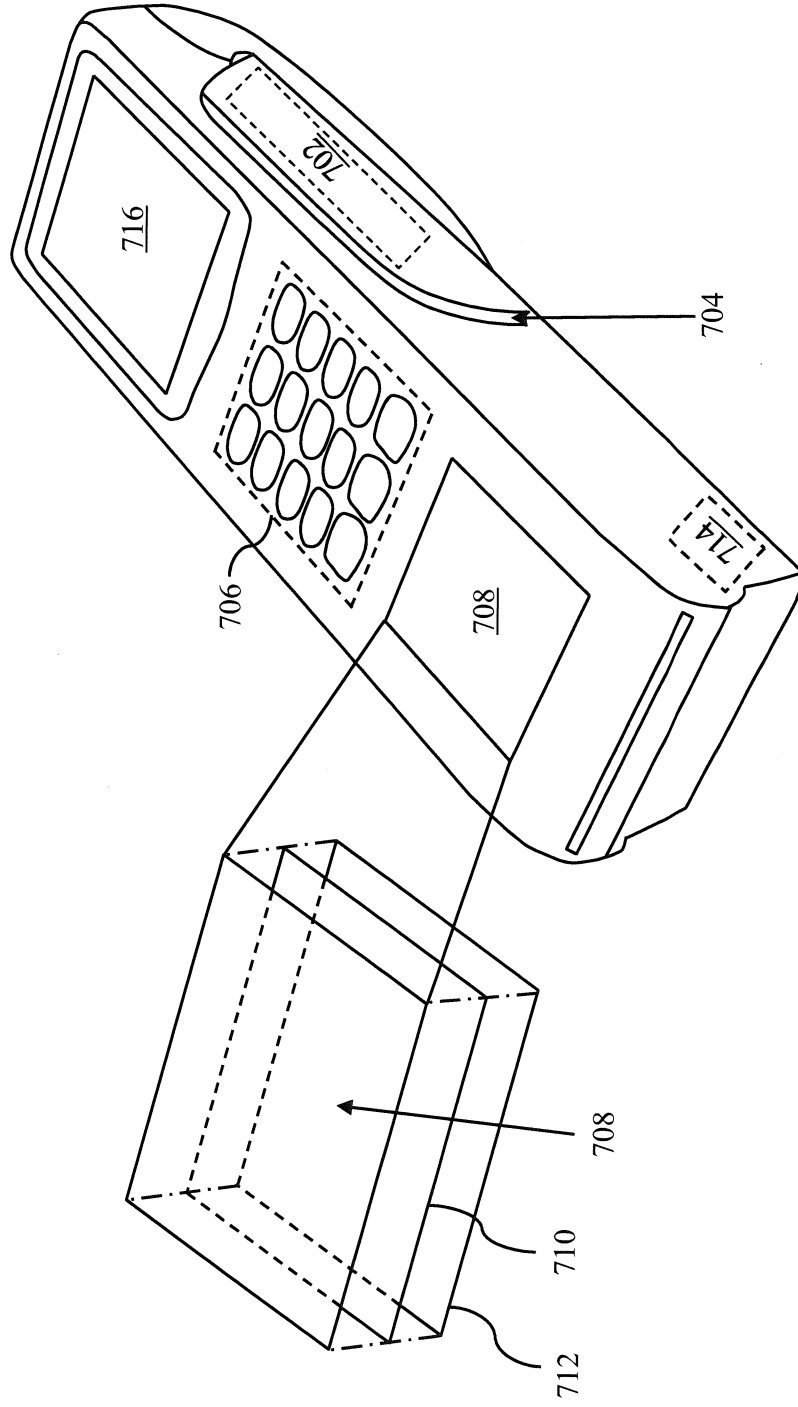


FIG. 7

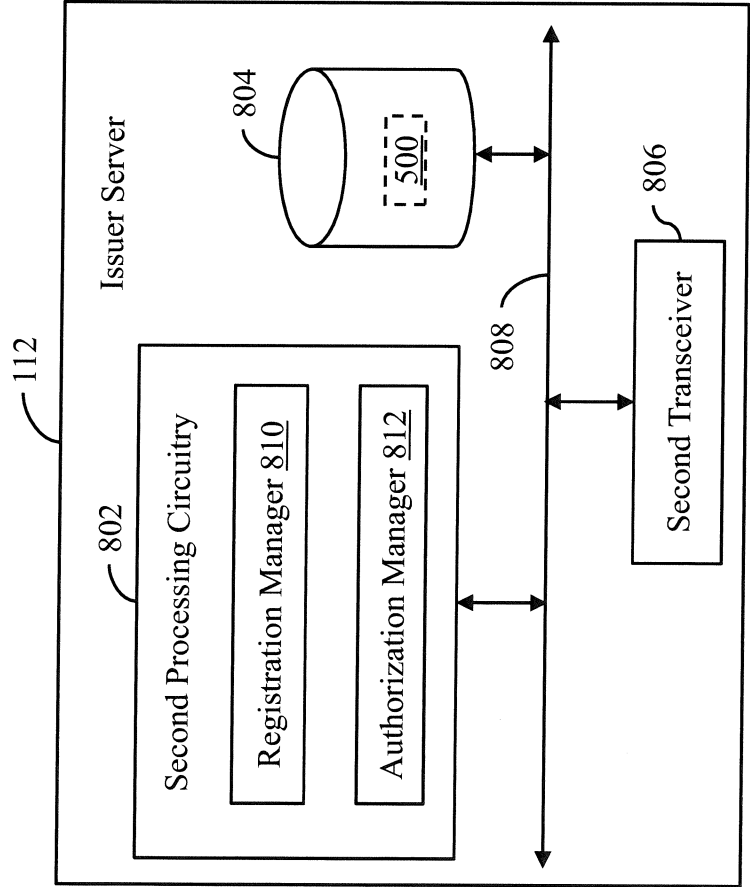


FIG. 8

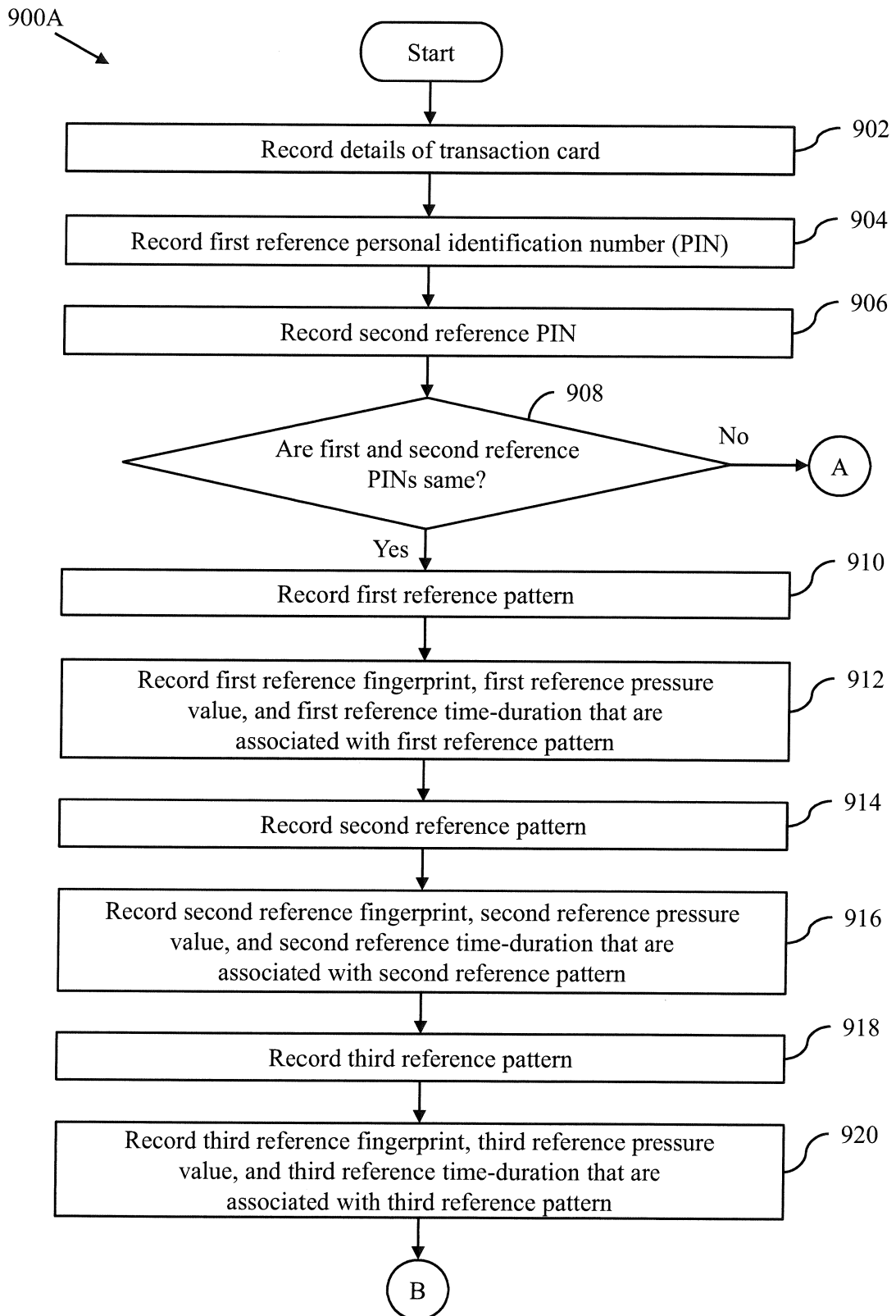
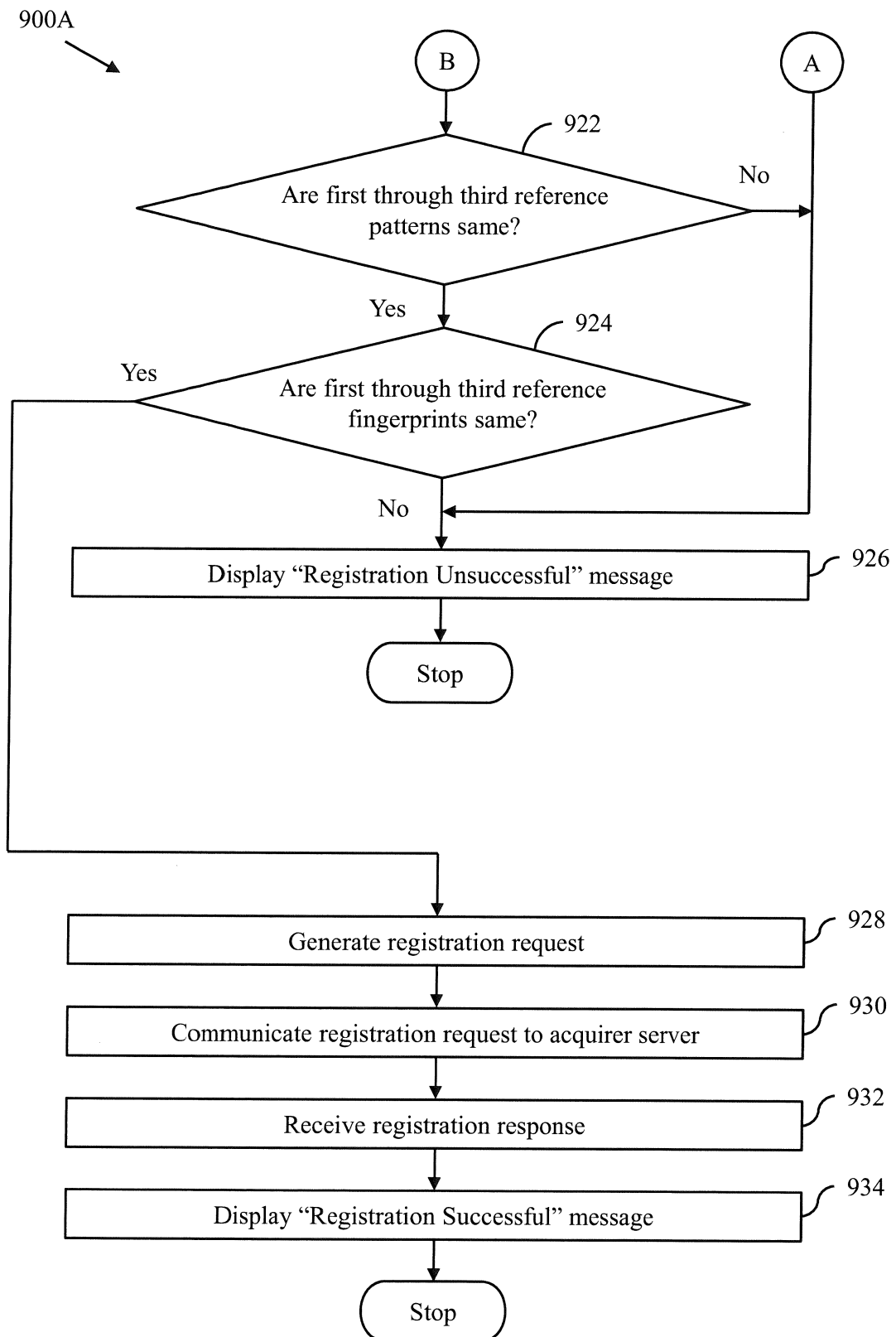


FIG. 9A

**FIG. 9B**

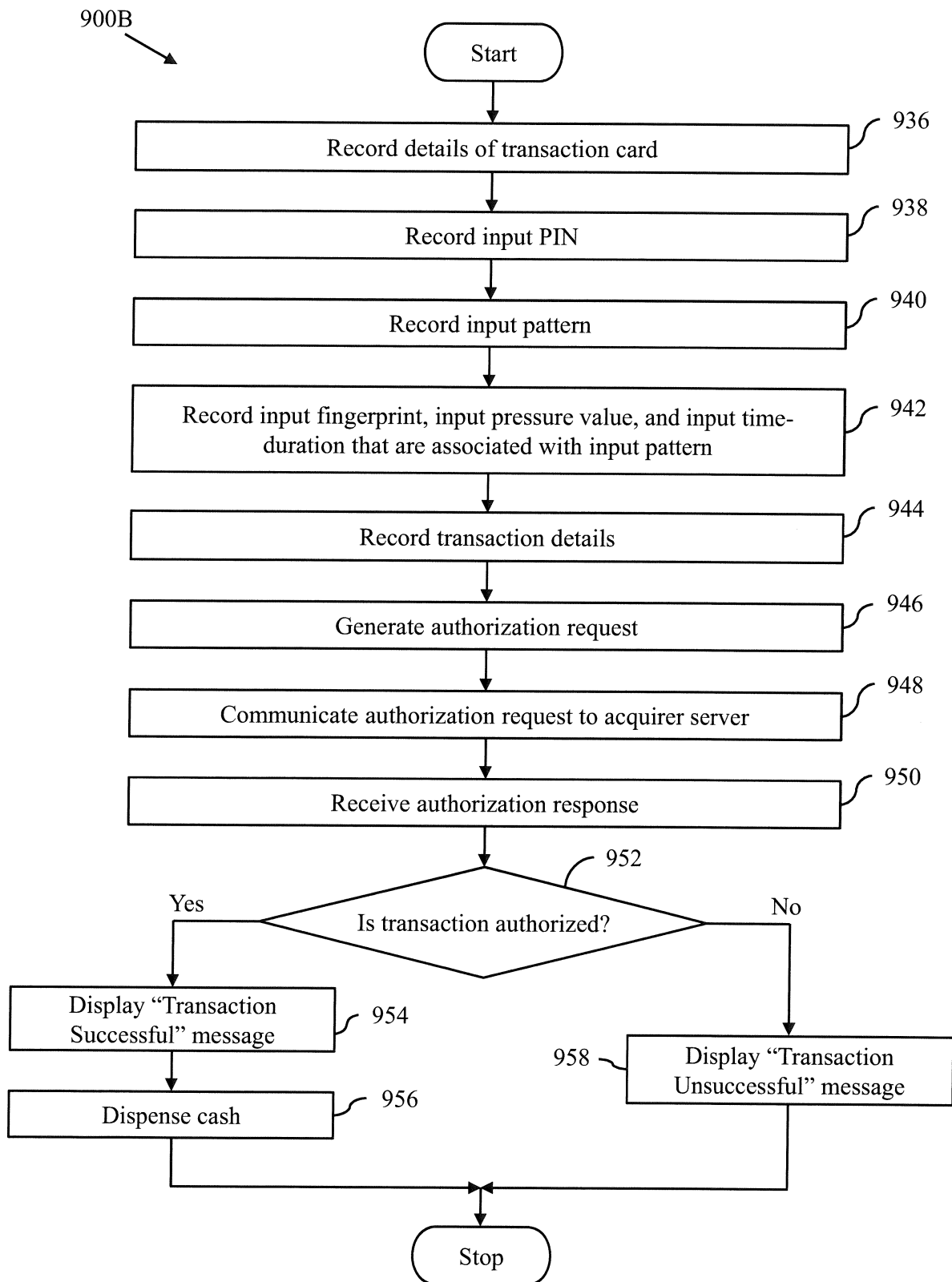
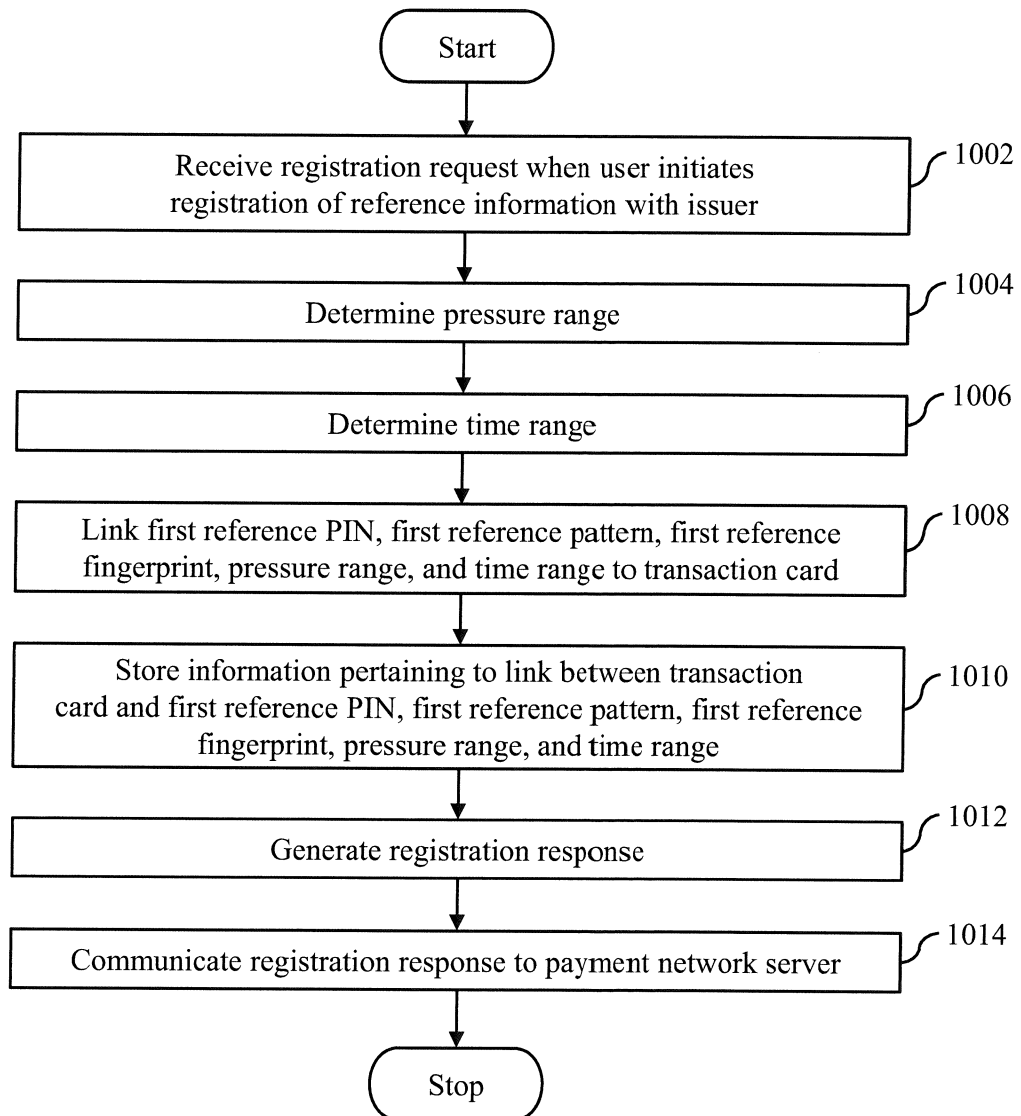


FIG. 9C

1000A
→**FIG. 10A**

1000B

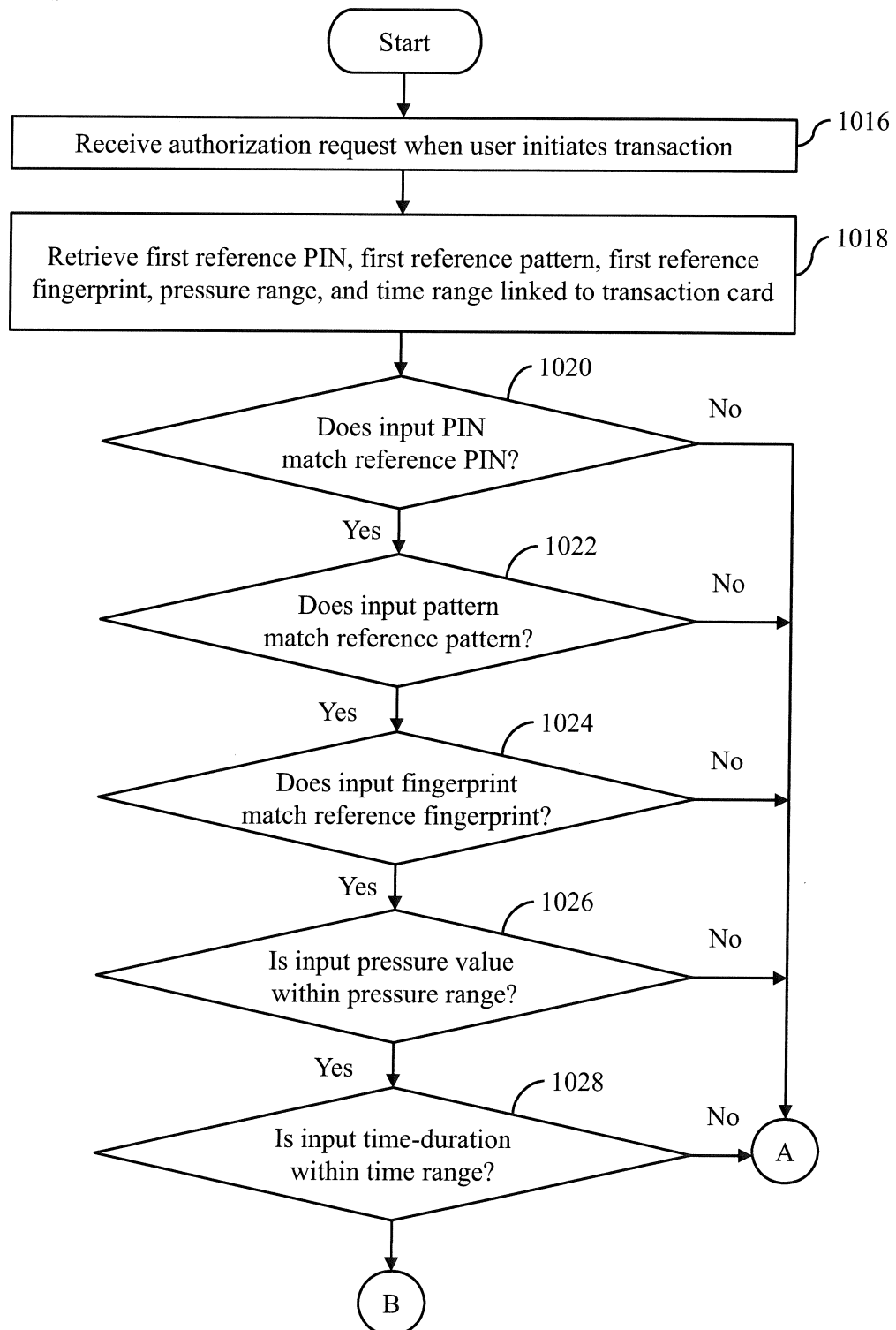


FIG. 10B

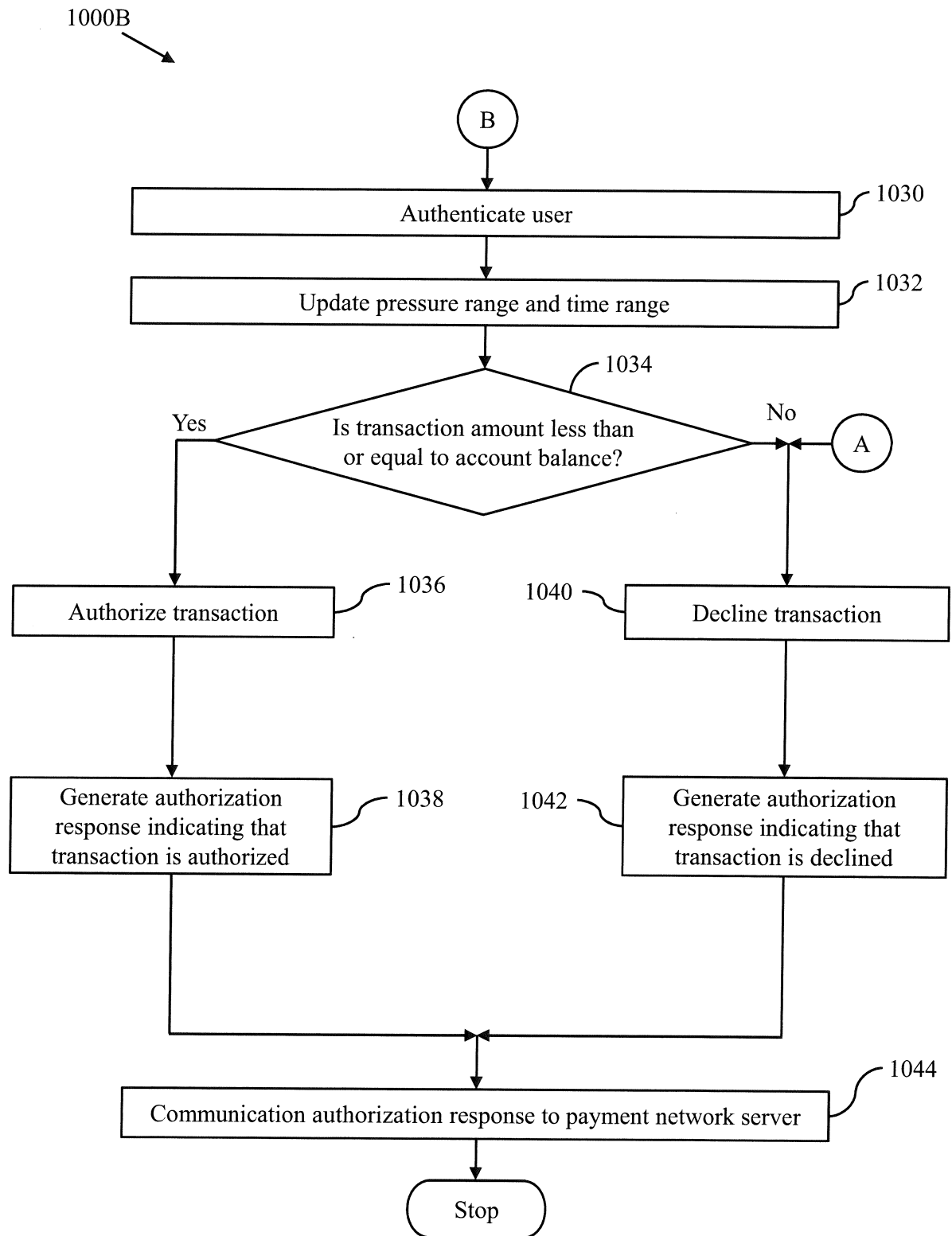
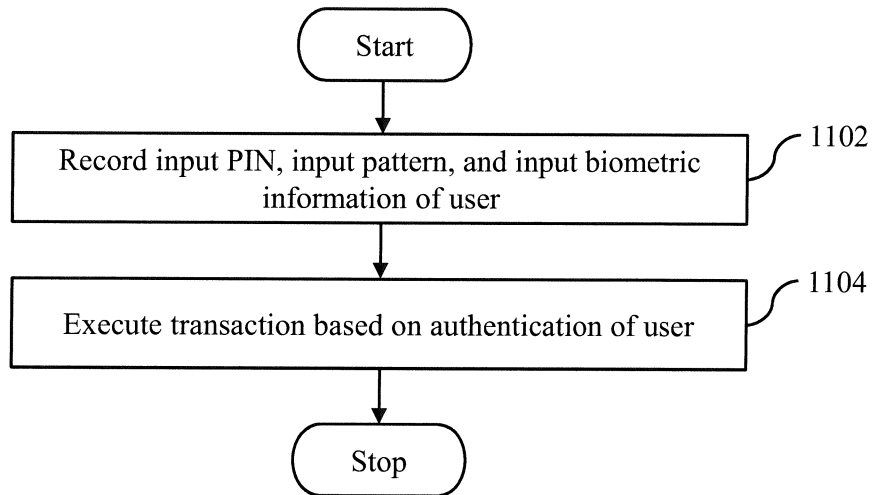


FIG. 10C

1100
→**FIG. 11**

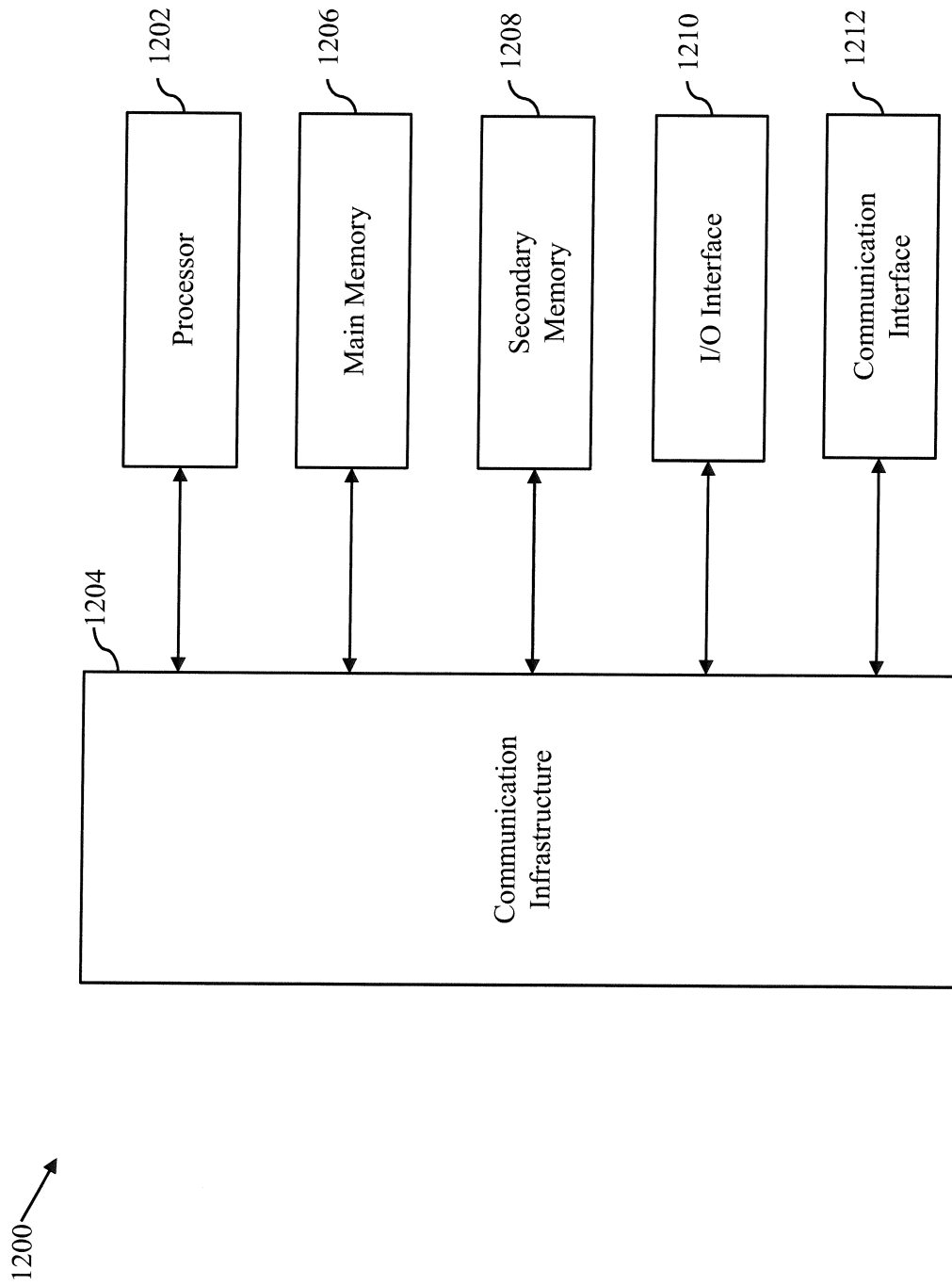


FIG. 12