Fig. 1

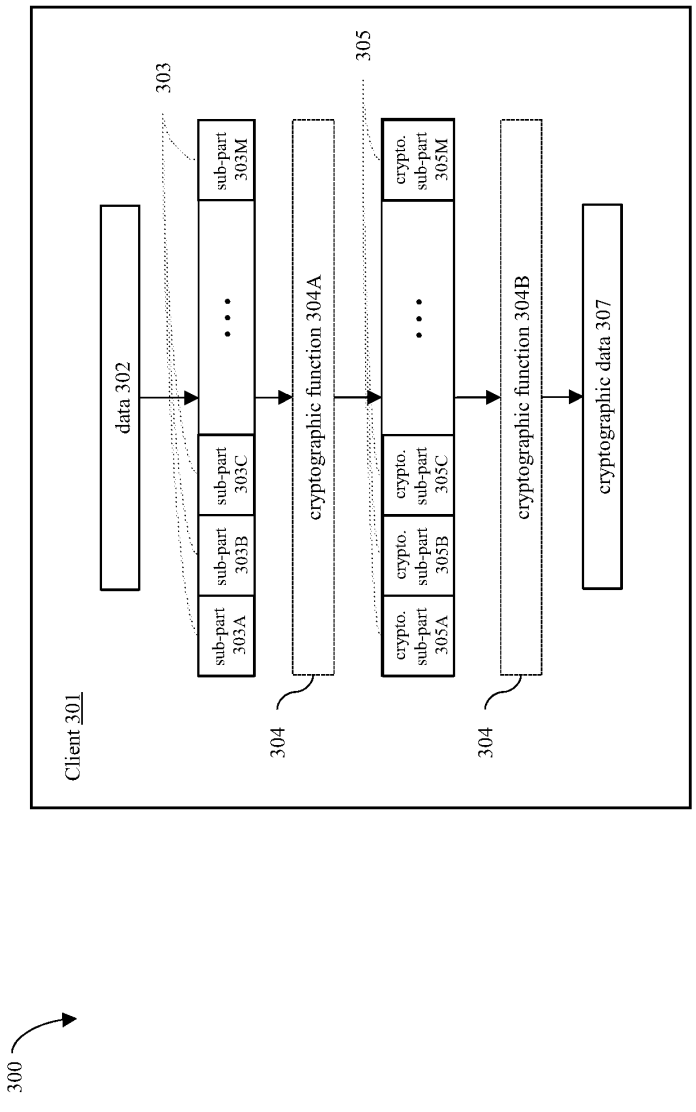

300
Client 301
data 302
303
sub-part 303A
sub-part 303B
sub-part 303C
• • •
sub-part 303M
304
cryptographic function 304A
305
crypto. sub-part 305A
crypto. sub-part 305B
crypto. sub-part 305C
• • •
crypto. sub-part 305M
304
cryptographic function 304B
cryptographic data 307

Fig. 2

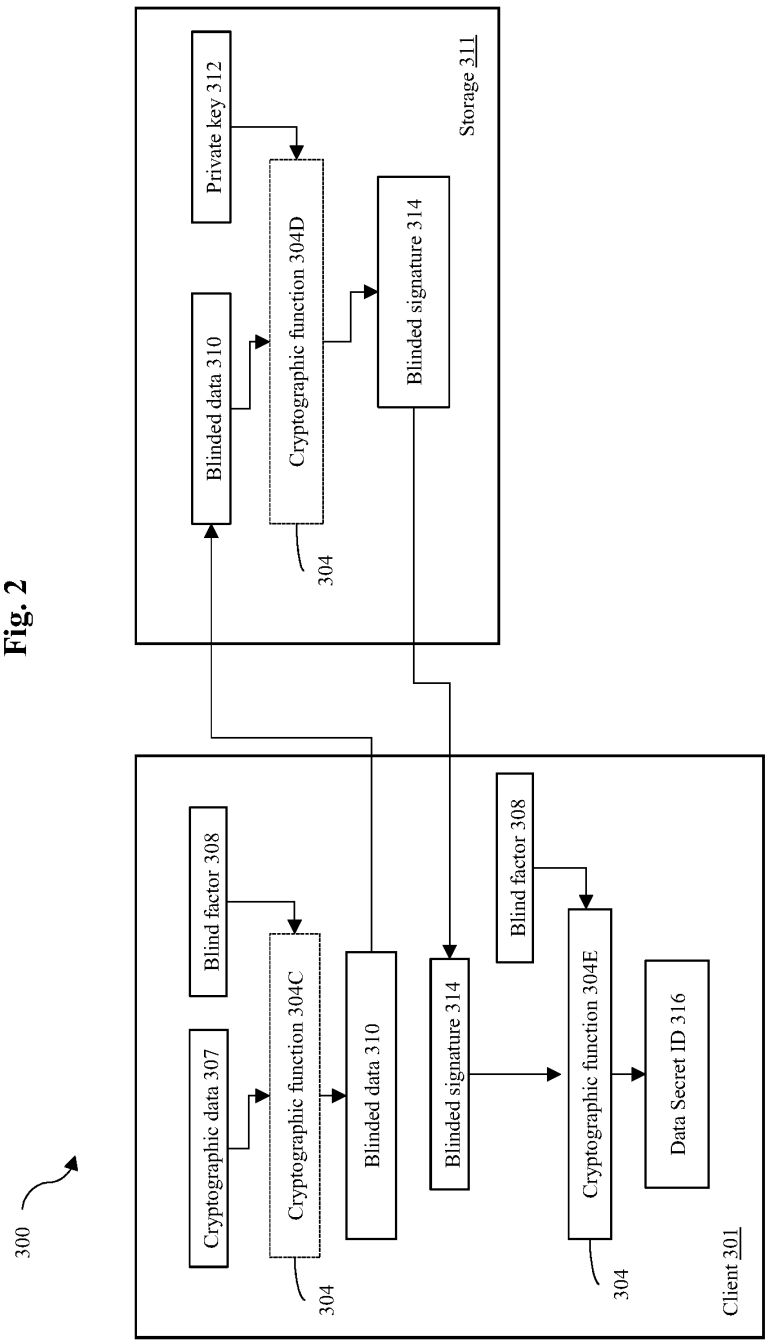

300
Storage 311
Private key 312
Blinded data 310
Cryptographic function 304D
304
Blinded signature 314
Client 301
Cryptographic data 307
Blind factor 308
Cryptographic function 304C
304
Blinded data 310
Blinded signature 314
Blind factor 308
Cryptographic function 304E
304
Data Secret ID 316

Fig. 3

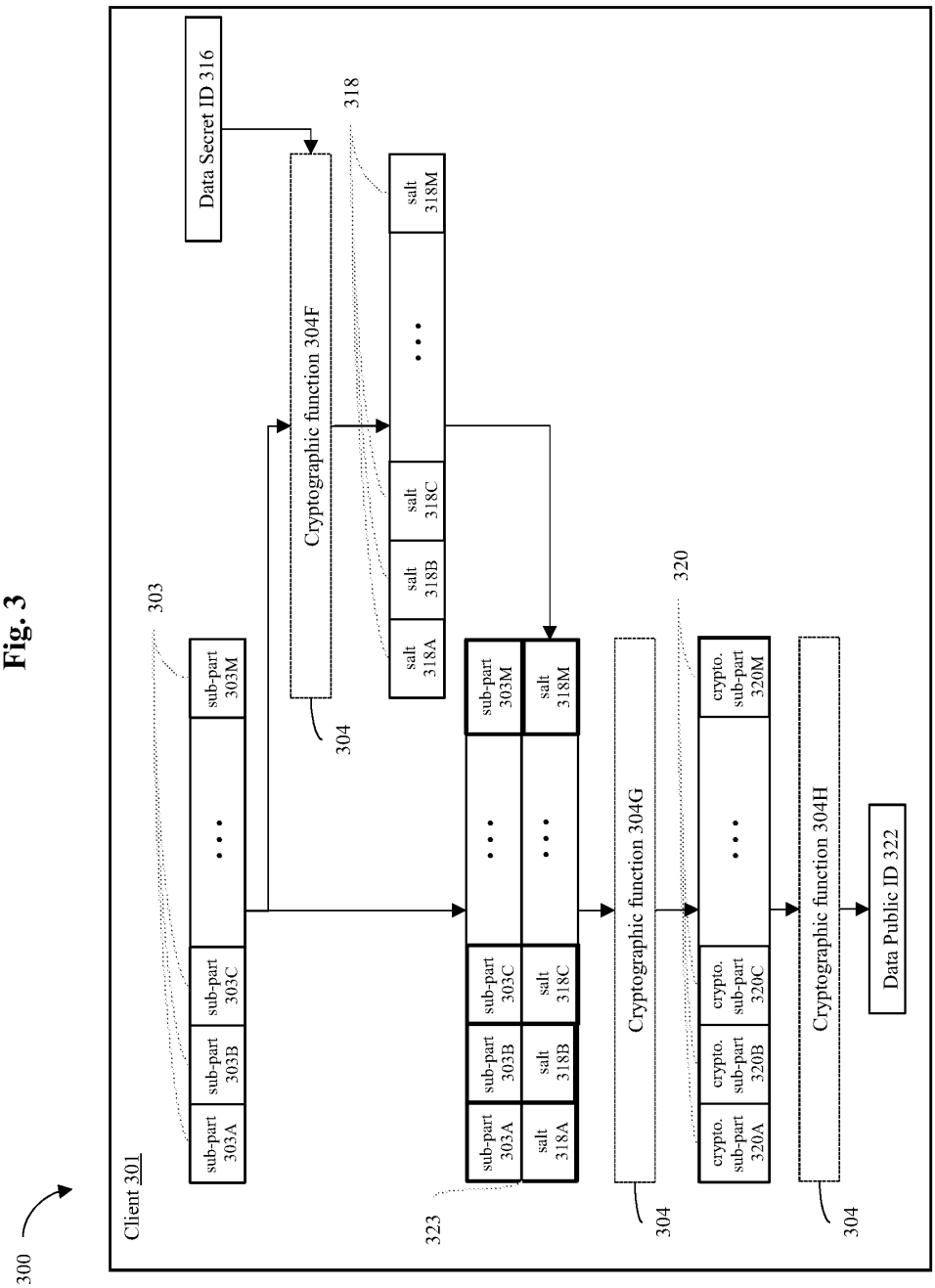

300
Client 301
303
sub-part 303A
sub-part 303B
sub-part 303C
sub-part 303M
Data Secret ID 316
Cryptographic function 304F
304
318
salt 318A
salt 318B
salt 318C
salt 318M
323
Cryptographic function 304G
320
crypto. sub-part 320A
crypto. sub-part 320B
crypto. sub-part 320C
crypto. sub-part 320M
Cryptographic function 304H
Data Public ID 322

Fig. 4

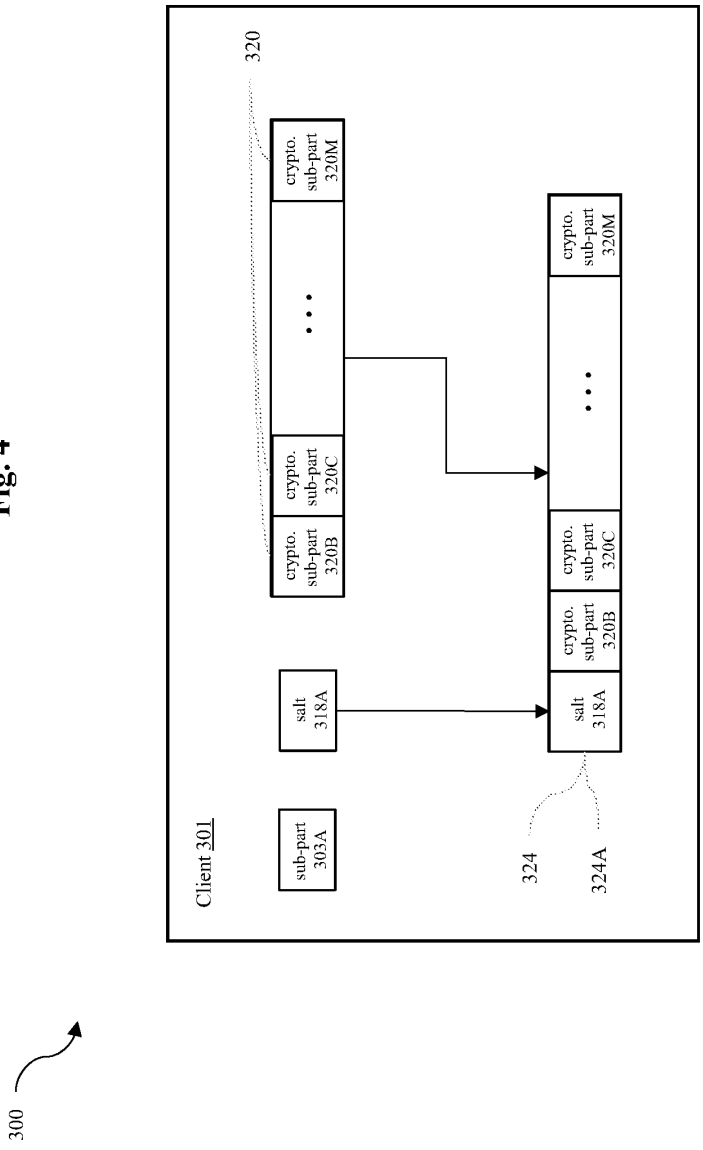

300
Client 301
sub-part 303A
salt 318A
320
crypto. sub-part 320B
crypto. sub-part 320C
crypto. sub-part 320M
324
324A
salt 318A
crypto. sub-part 320B
crypto. sub-part 320C
crypto. sub-part 320M

Fig. 5

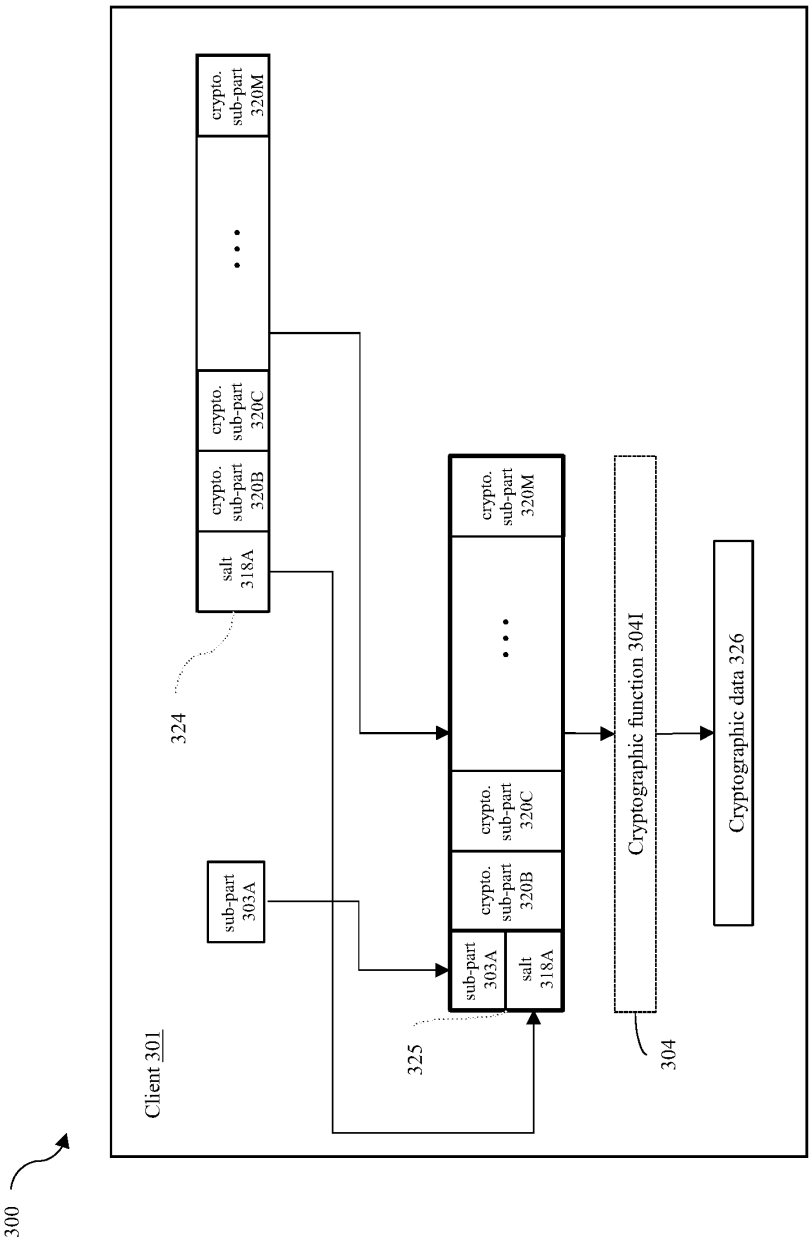

300
Client 301
sub-part 303A
salt 318A
crypto. sub-part 320B
crypto. sub-part 320C
• • •
crypto. sub-part 320M
324
325
304
Cryptographic function 304I
Cryptographic data 326

Fig. 6

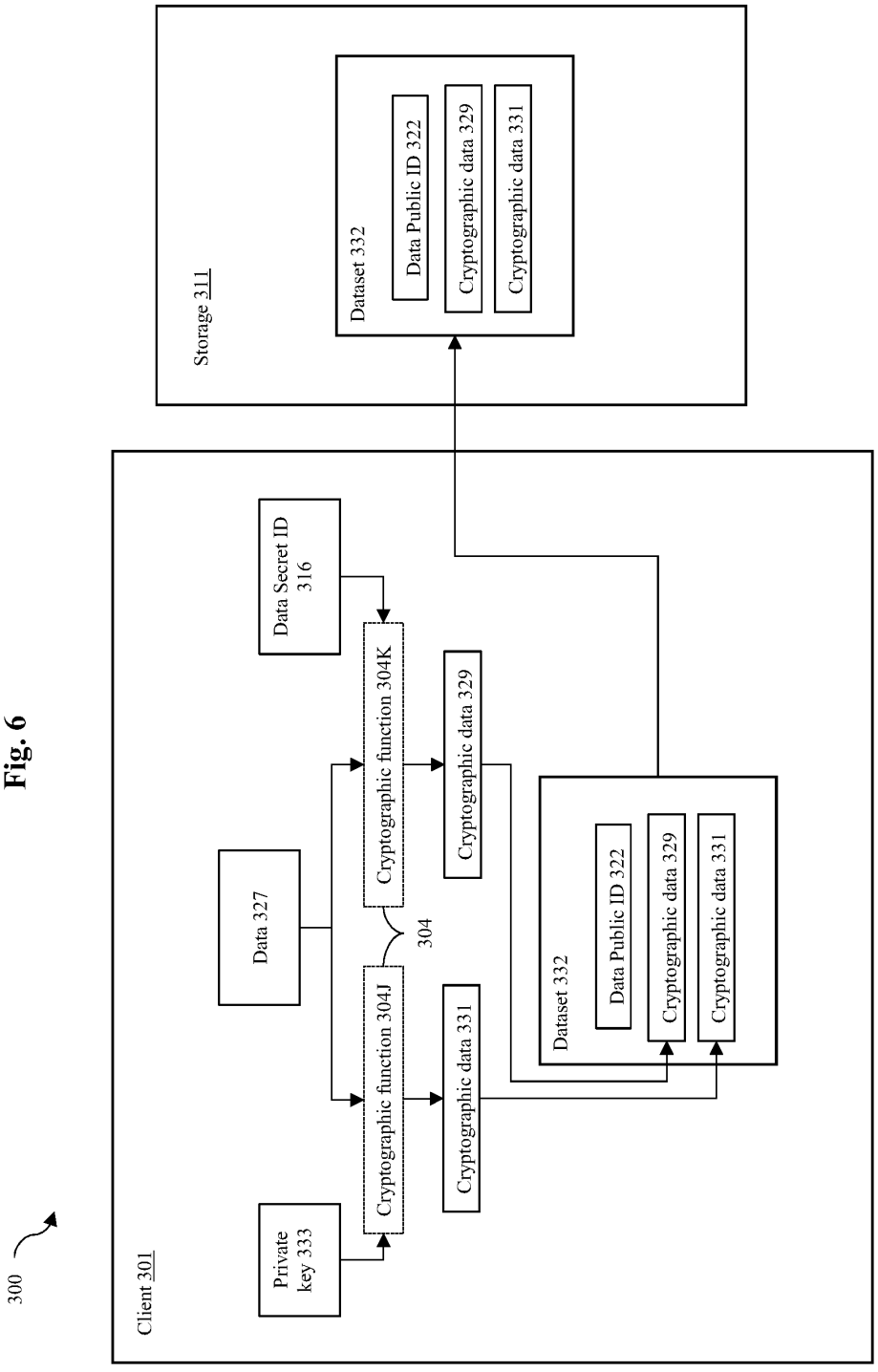

300
Client 301
Private key 333
Data 327
Data Secret ID 316
Cryptographic function 304J
Cryptographic function 304K
304
Cryptographic data 331
Cryptographic data 329
Dataset 332
Data Public ID 322
Cryptographic data 329
Cryptographic data 331
Storage 311
Dataset 332
Data Public ID 322
Cryptographic data 329
Cryptographic data 331

Fig. 7

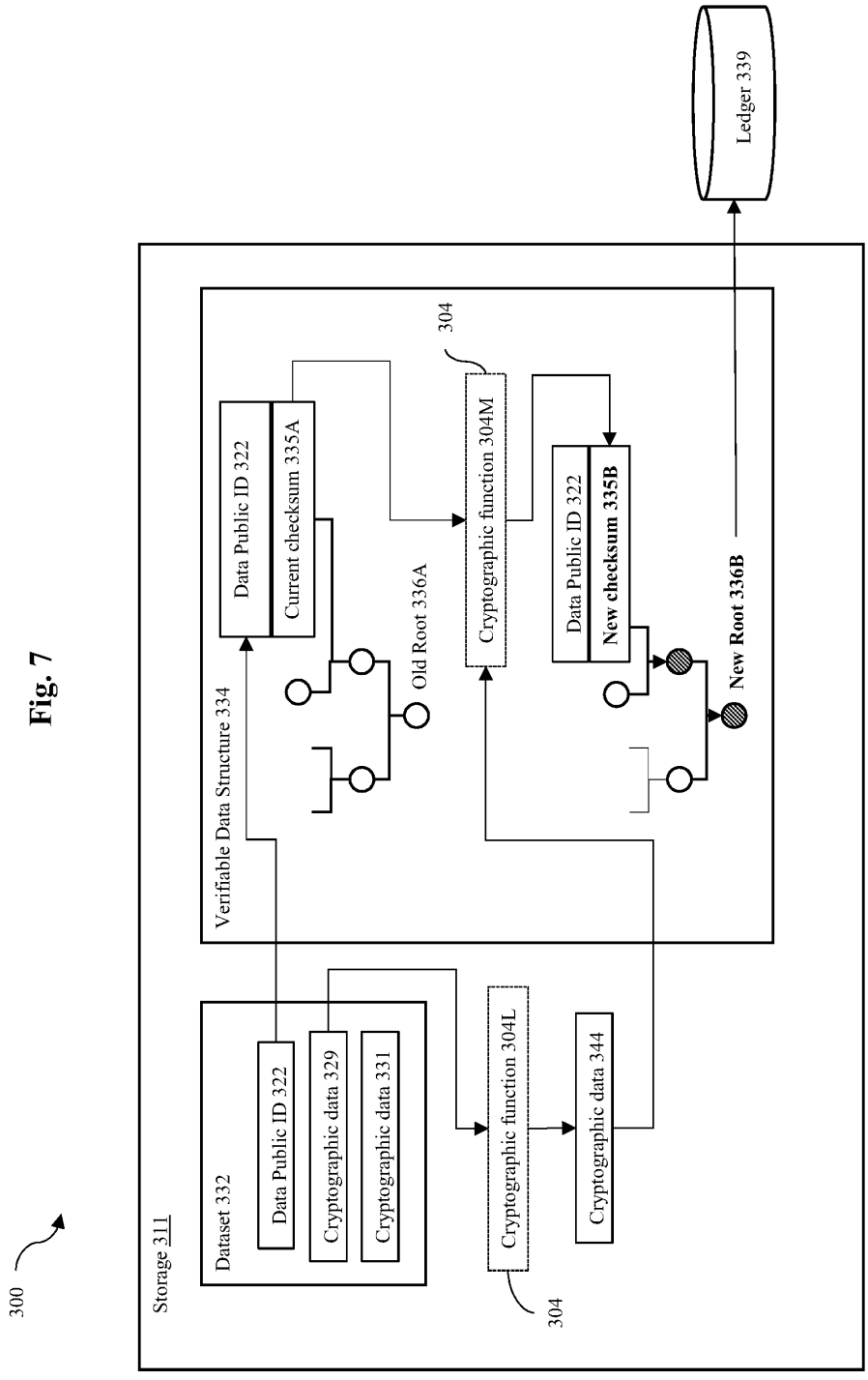

300
Storage 311
Dataset 332
Data Public ID 322
Cryptographic data 329
Cryptographic data 331
Cryptographic function 304L
304
Cryptographic data 344
Verifiable Data Structure 334
Data Public ID 322
Current checksum 335A
Old Root 336A
304
Cryptographic function 304M
Data Public ID 322
New checksum 335B
New Root 336B
Ledger 339

Fig. 8

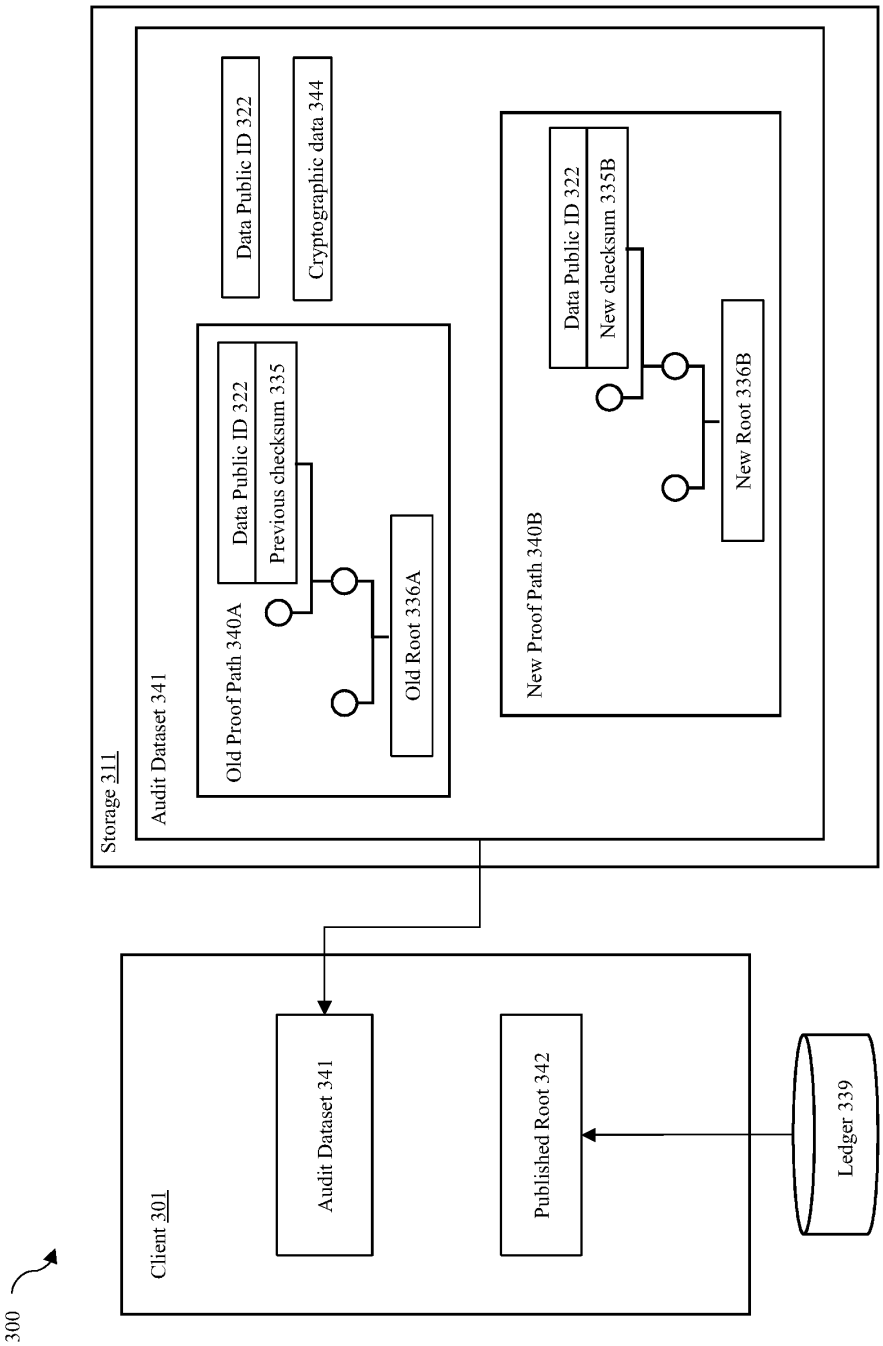

300
Client 301
Audit Dataset 341
Published Root 342
Ledger 339
Storage 311
Audit Dataset 341
Data Public ID 322
Cryptographic data 344
Old Proof Path 340A
Data Public ID 322
Previous checksum 335
Old Root 336A
New Proof Path 340B
Data Public ID 322
New checksum 335B
New Root 336B

Fig. 9

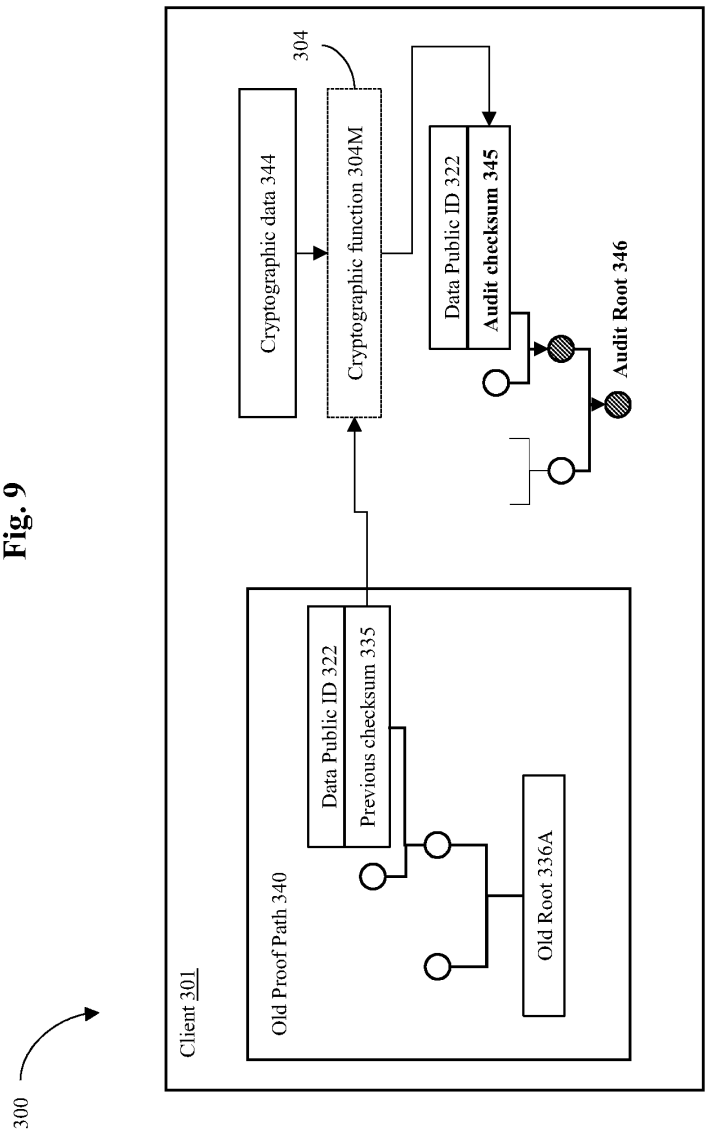
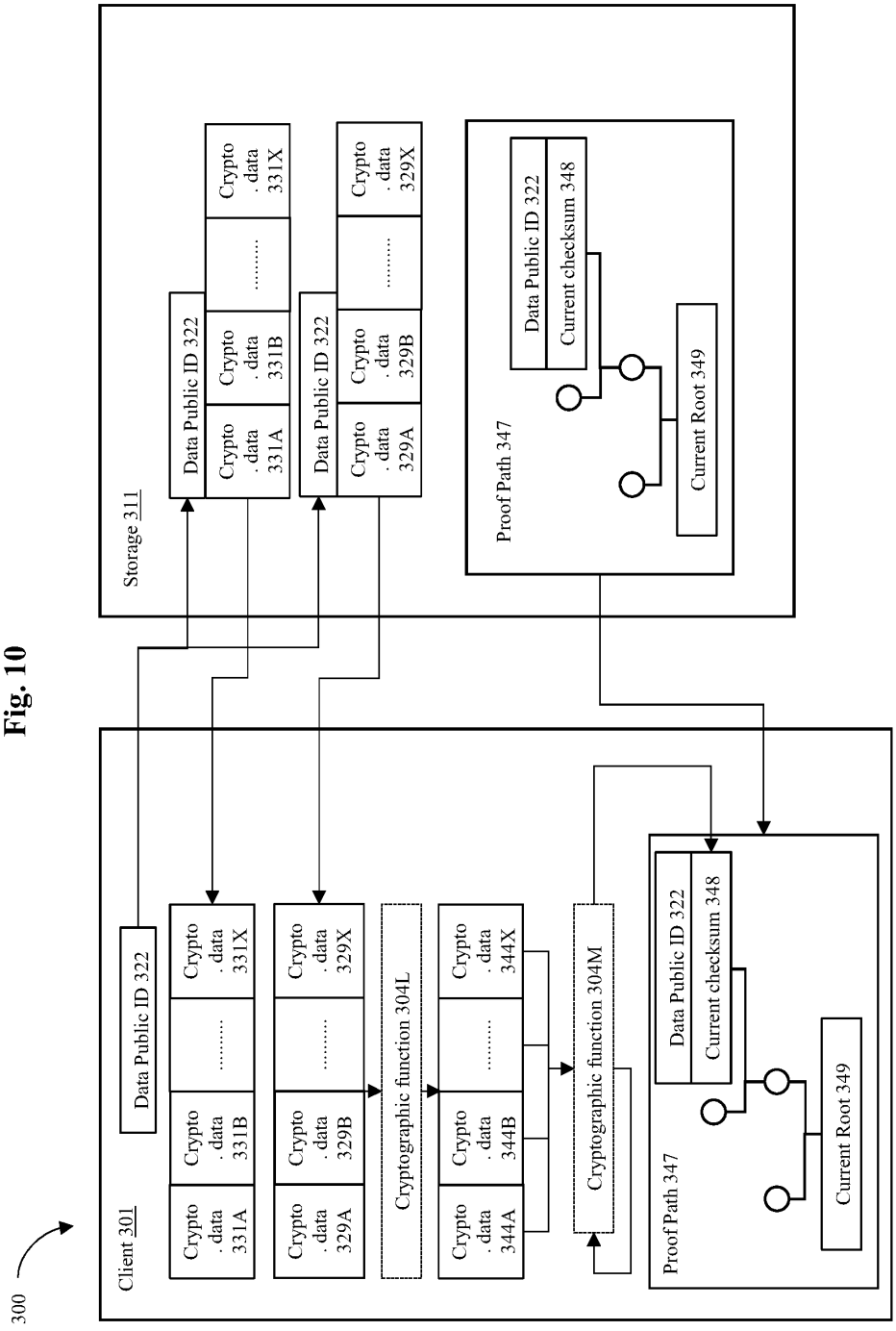

300
Client 301
Old Proof Path 340
Data Public ID 322
Previous checksum 335
Old Root 336A
304
Cryptographic data 344
Cryptographic function 304M
Data Public ID 322
Audit checksum 345
Audit Root 346

Fig. 10


300
Client 301
Data Public ID 322
Crypto . data 331A
Crypto . data 331B
.....
Crypto . data 331X
Crypto . data 329A
Crypto . data 329B
Crypto . data 329X
Cryptographic function 304L
Crypto . data 344A
Crypto . data 344B
Crypto . data 344X
Cryptographic function 304M
Proof Path 347
Data Public ID 322
Current checksum 348
Current Root 349
Storage 311
Data Public ID 322
Crypto . data 331A
Crypto . data 331B
.....
Crypto . data 331X
Data Public ID 322
Crypto . data 329A
Crypto . data 329B
.....
Crypto . data 329X
Proof Path 347
Data Public ID 322
Current checksum 348
Current Root 349