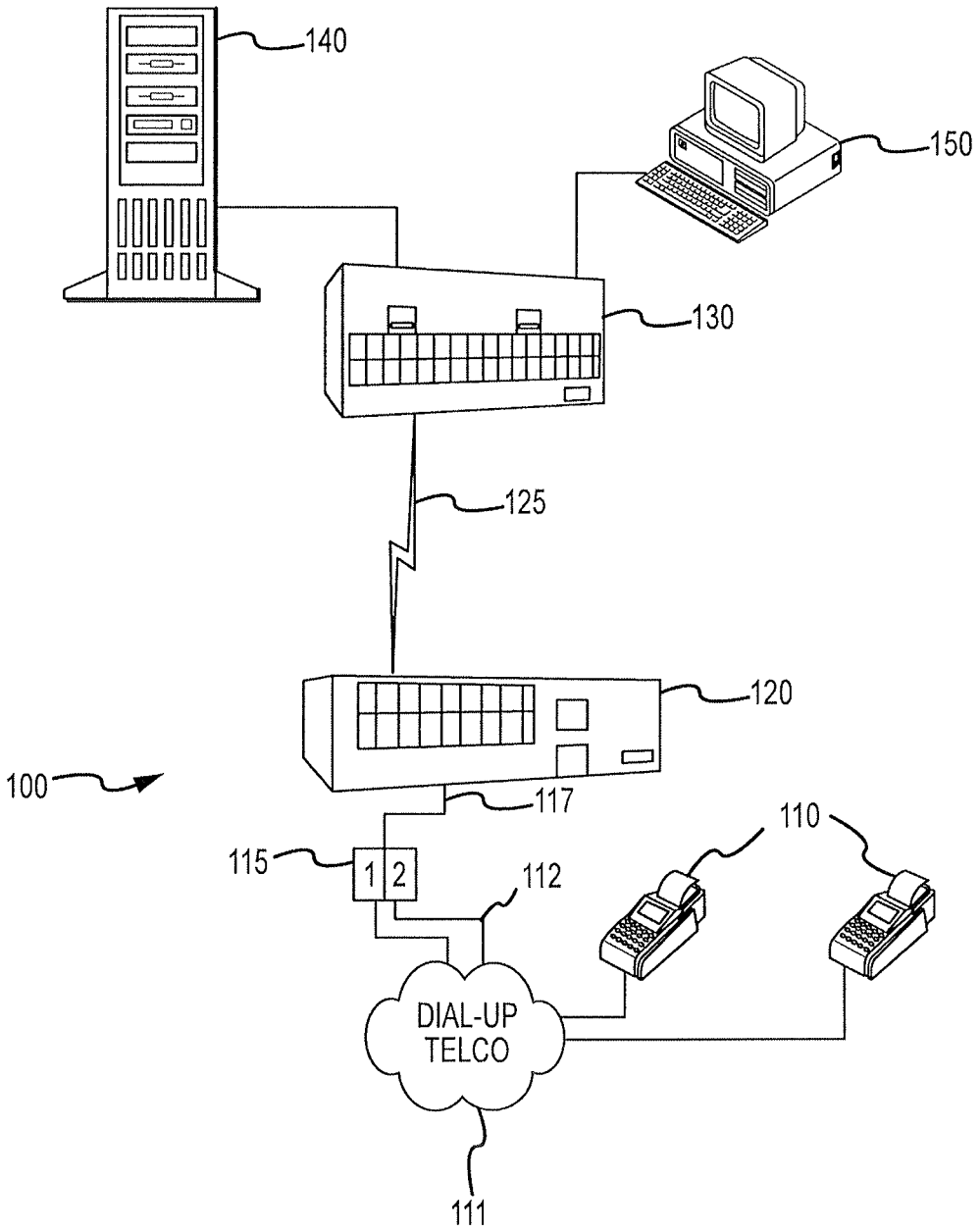


FIG.1

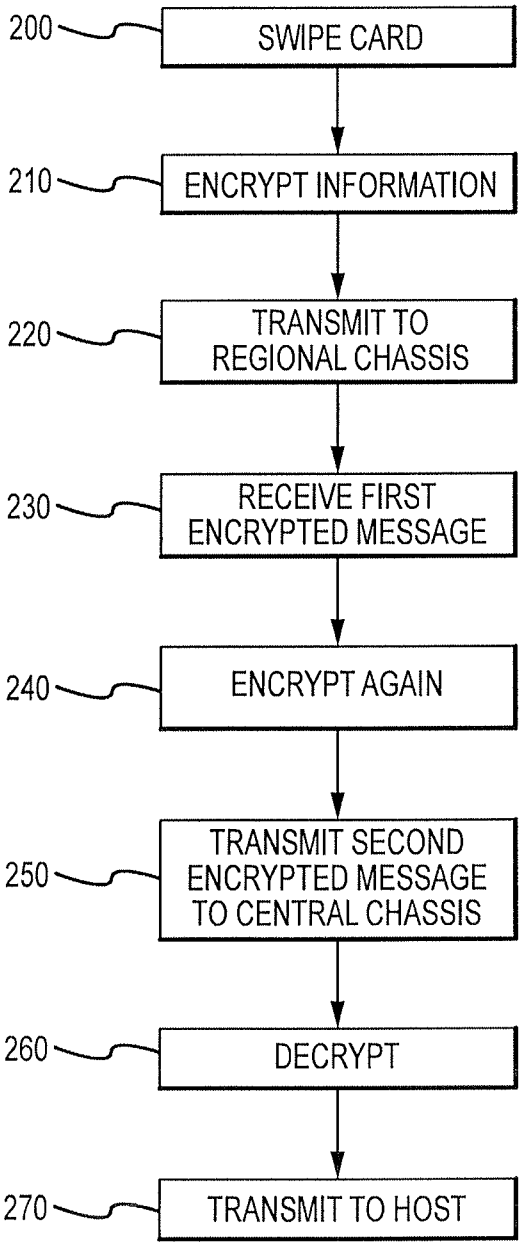

200
SWIPE CARD
210
ENCRYPT INFORMATION
220
TRANSMIT TO REGIONAL CHASSIS
230
RECEIVE FIRST ENCRYPTED MESSAGE
240
ENCRYPT AGAIN
250
TRANSMIT SECOND ENCRYPTED MESSAGE TO CENTRAL CHASSIS
260
DECRYPT
270
TRANSMIT TO HOST

FIG.2

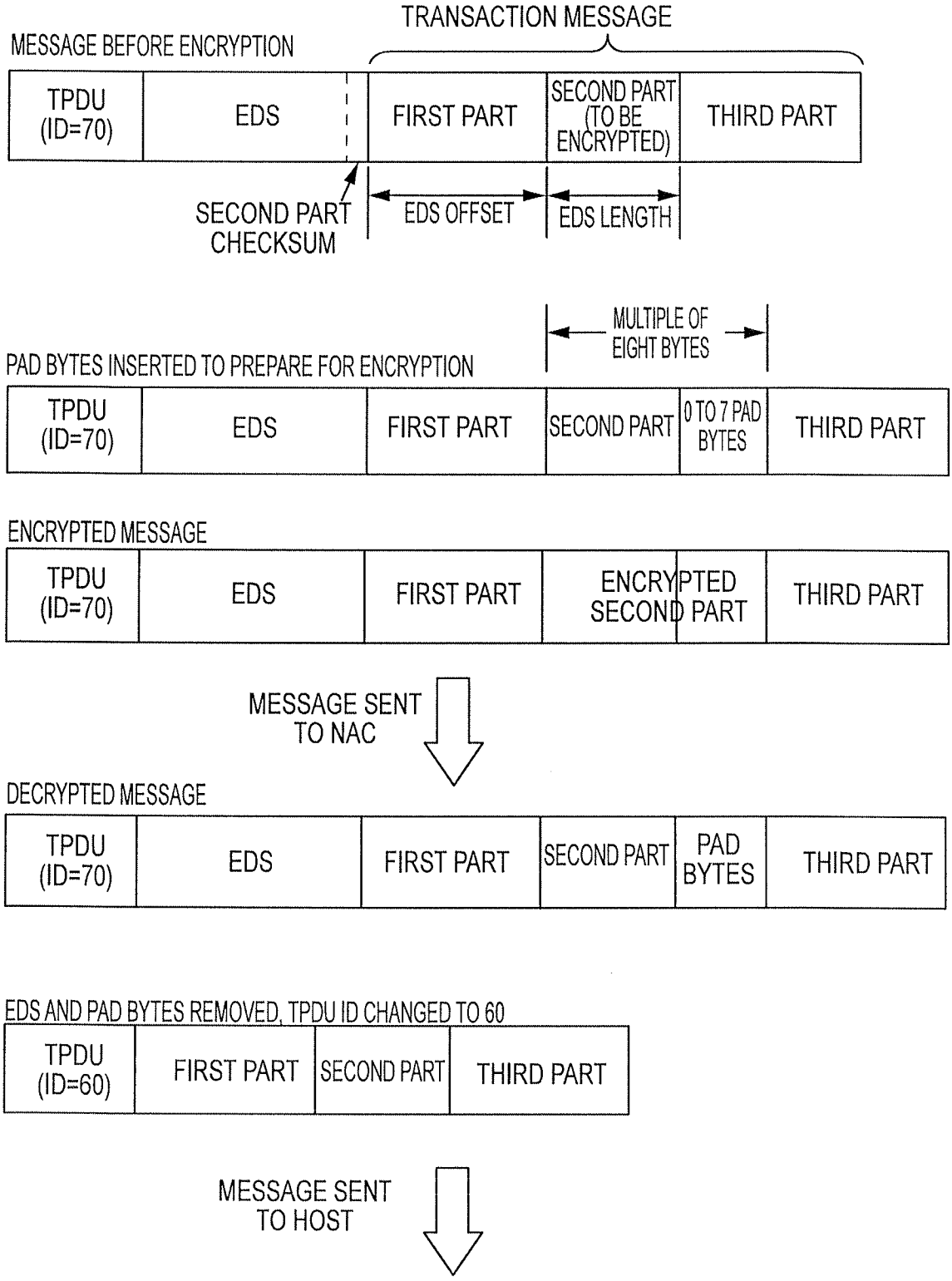

TRANSACTION MESSAGE
MESSAGE BEFORE ENCRYPTION
TPDU (ID=70)
EDS
FIRST PART
SECOND PART (TO BE ENCRYPTED)
THIRD PART
SECOND PART CHECKSUM
EDS OFFSET
EDS LENGTH
MULTIPLE OF EIGHT BYTES
PAD BYTES INSERTED TO PREPARE FOR ENCRYPTION
TPDU (ID=70)
EDS
FIRST PART
SECOND PART
0 TO 7 PAD BYTES
THIRD PART
ENCRYPTED MESSAGE
TPDU (ID=70)
EDS
FIRST PART
ENCRYPTED SECOND PART
THIRD PART
MESSAGE SENT TO NAC
DECRYPTED MESSAGE
TPDU (ID=70)
EDS
FIRST PART
SECOND PART
PAD BYTES
THIRD PART
EDS AND PAD BYTES REMOVED, TPDU ID CHANGED TO 60
TPDU (ID=60)
FIRST PART
SECOND PART
THIRD PART
MESSAGE SENT TO HOST

FIG.3