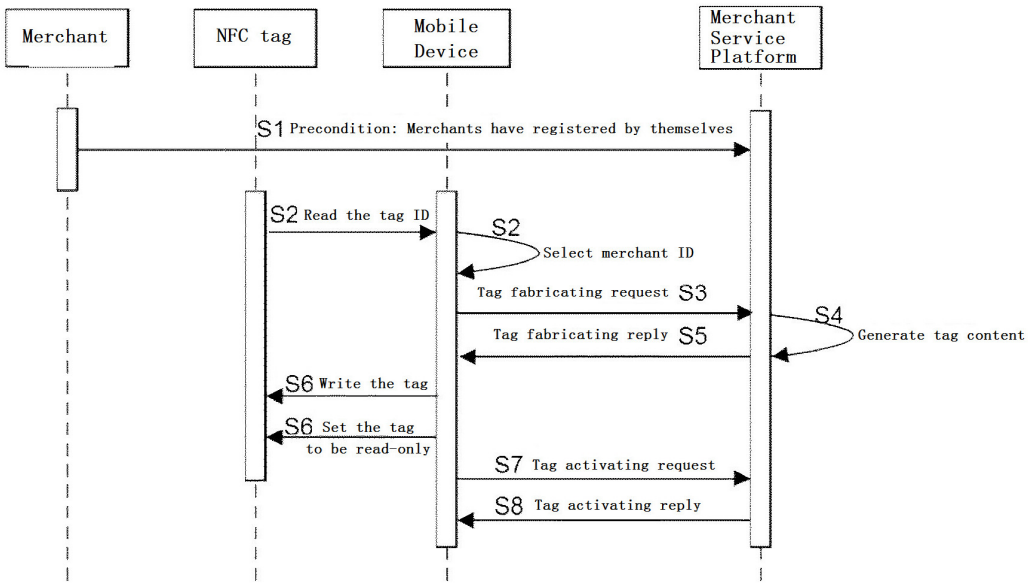
Merchant
NFC tag
Mobile Device
Merchant Service Platform
S1 Precondition: Merchants have registered by themselves
S2 Read the tag ID
S2
Select merchant ID
Tag fabricating request S3
S4
Generate tag content
Tag fabricating reply S5
S6 Write the tag
S6 Set the tag to be read-only
S7 Tag activating request
S8 Tag activating reply

FIG. 1

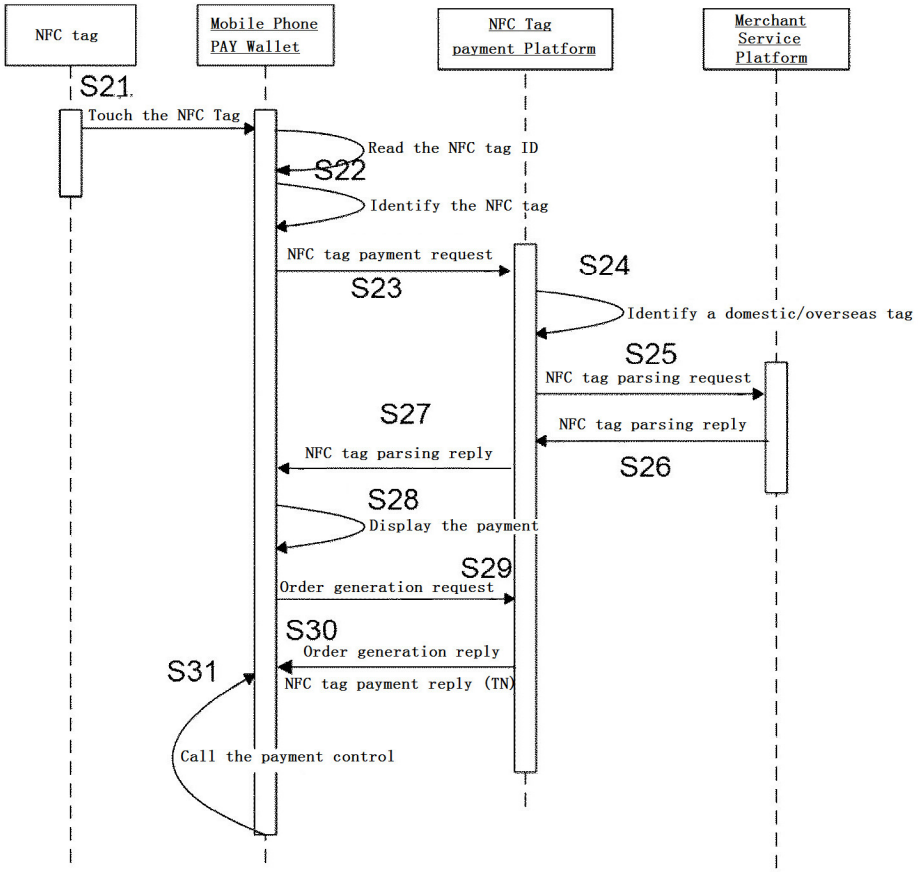
NFC tag
Mobile Phone PAY Wallet
NFC Tag payment Platform
Merchant Service Platform
S21
Touch the NFC Tag
Read the NFC tag ID
S22
Identify the NFC tag
NFC tag payment request
S23
S24
Identify a domestic/overseas tag
S25
NFC tag parsing request
S27
NFC tag parsing reply
NFC tag parsing reply
S26
S28
Display the payment
S29
Order generation request
S30
Order generation reply
S31
NFC tag payment reply (TN)
Call the payment control

FIG. 2

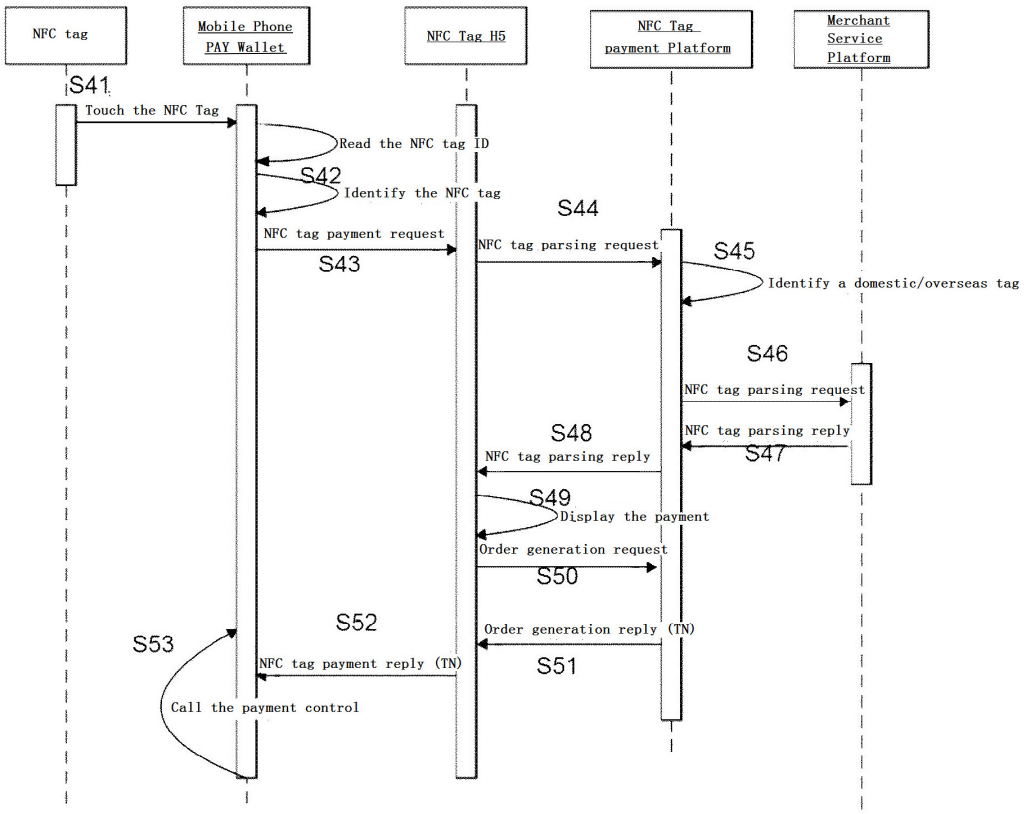
NFC tag
Mobile Phone PAY Wallet
NFC Tag H5
NFC Tag payment Platform
Merchant Service Platform
S41
Touch the NFC Tag
Read the NFC tag ID
S42
Identify the NFC tag
S44
NFC tag payment request
NFC tag parsing request
S45
S43
Identify a domestic/overseas tag
S46
NFC tag parsing request
NFC tag parsing reply
S48
S47
NFC tag parsing reply
S49
Display the payment
Order generation request
S50
S52
Order generation reply (TN)
S53
NFC tag payment reply (TN)
S51
Call the payment control

FIG. 3

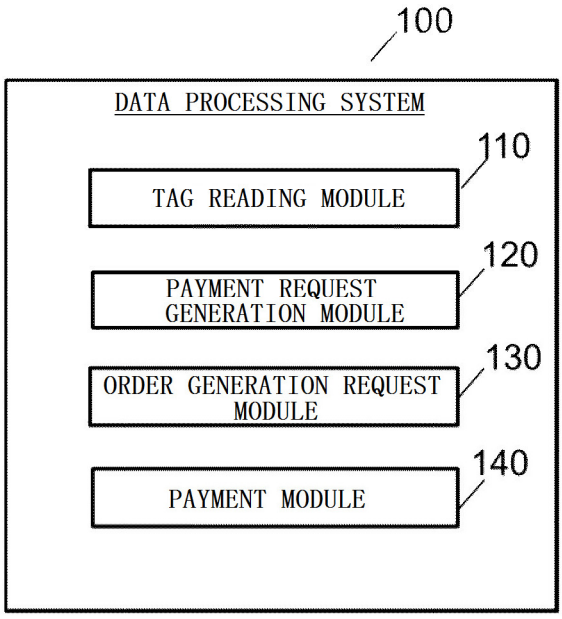
100
DATA PROCESSING SYSTEM
110
TAG READING MODULE
120
PAYMENT REQUEST GENERATION MODULE
130
ORDER GENERATION REQUEST MODULE
140
PAYMENT MODULE

FIG. 4

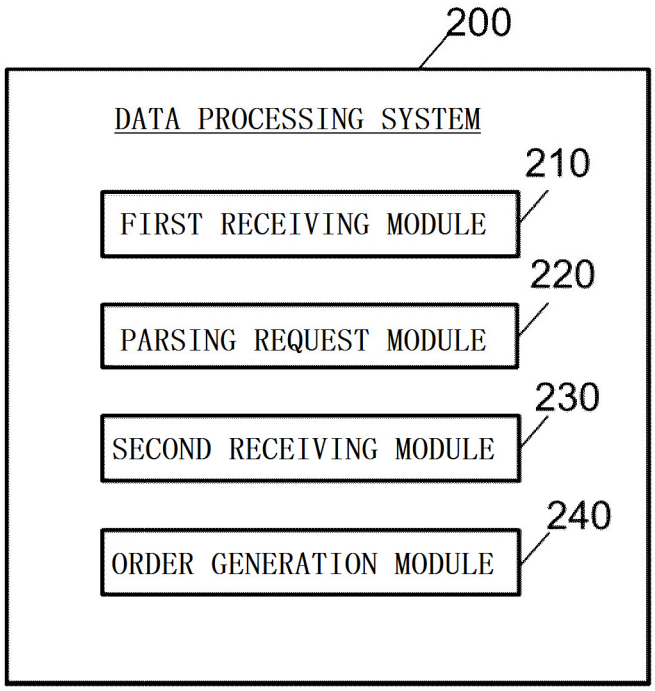
200
DATA PROCESSING SYSTEM
210
FIRST RECEIVING MODULE
220
PARSING REQUEST MODULE
230
SECOND RECEIVING MODULE
240
ORDER GENERATION MODULE

FIG. 5