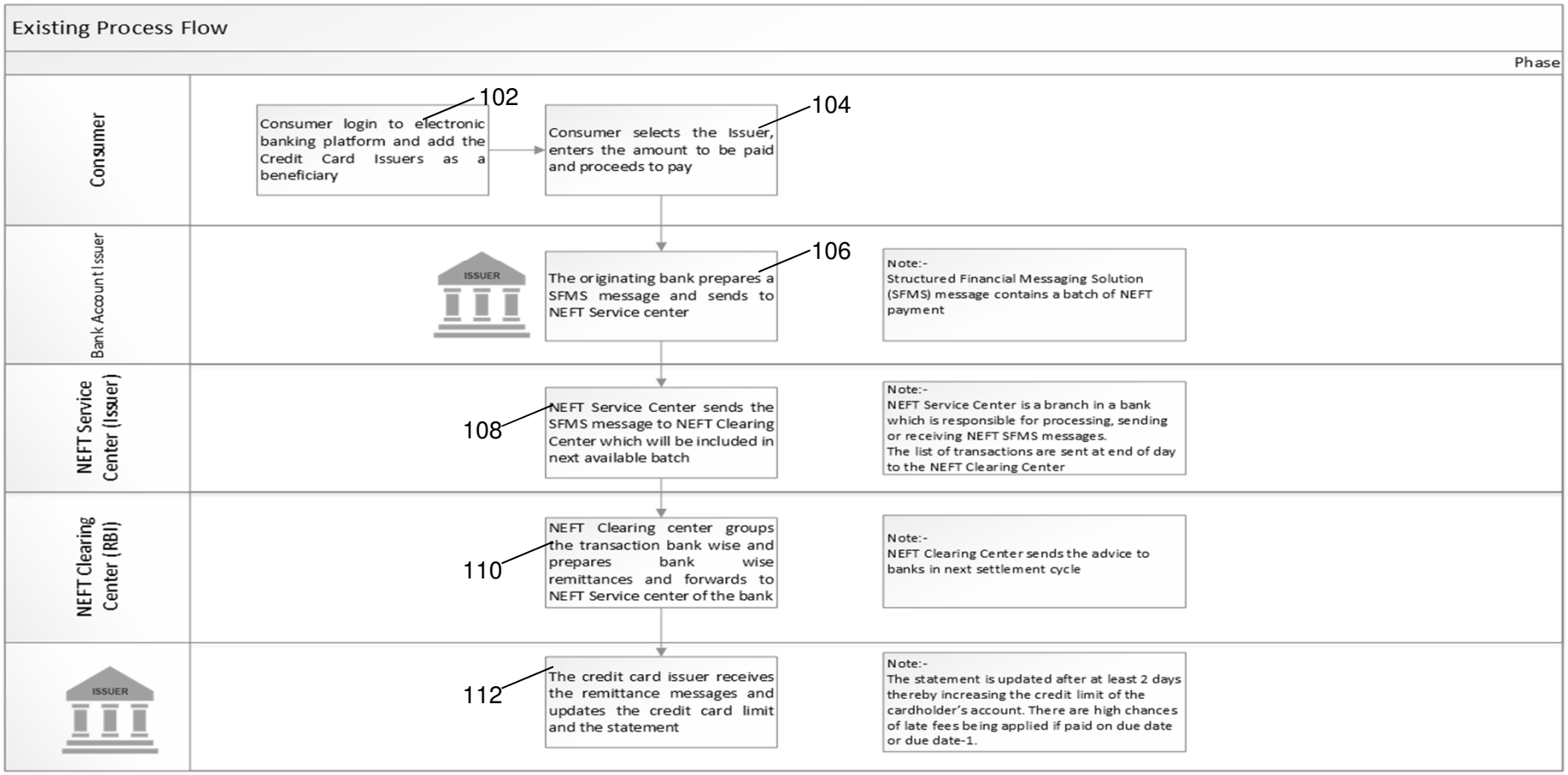


Figure 1 (prior art)

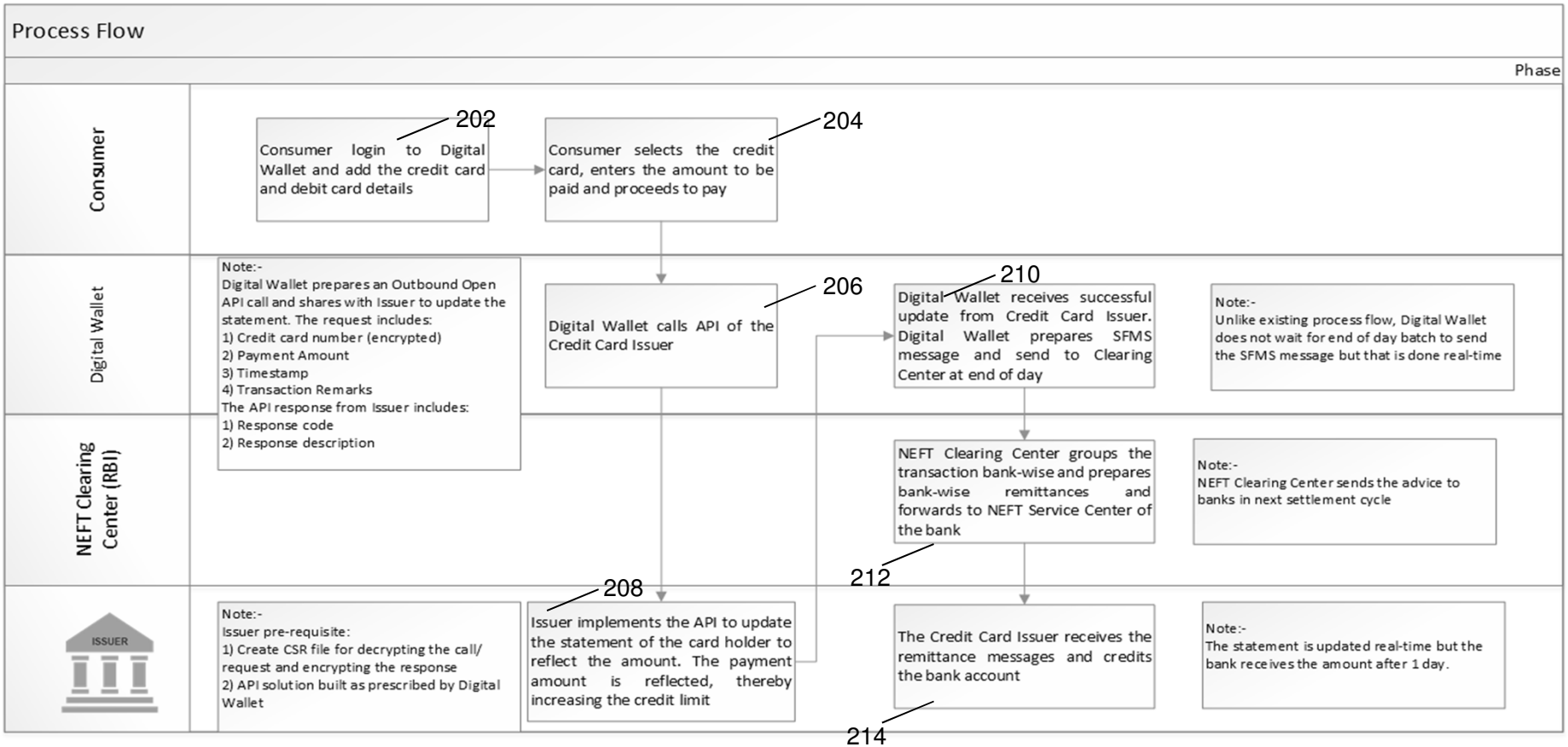

Process Flow
Phase
Consumer
Digital Wallet
NEFT Clearing Center (RBI)
ISSUER
202
Consumer login to Digital Wallet and add the credit card and debit card details
204
Consumer selects the credit card, enters the amount to be paid and proceeds to pay
Note:-
Digital Wallet prepares an Outbound Open API call and shares with Issuer to update the statement. The request includes:
1) Credit card number (encrypted)
2) Payment Amount
3) Timestamp
4) Transaction Remarks
The API response from Issuer includes:
1) Response code
2) Response description
206
Digital Wallet calls API of the Credit Card Issuer
210
Digital Wallet receives successful update from Credit Card Issuer. Digital Wallet prepares SFMS message and send to Clearing Center at end of day
Note:-
Unlike existing process flow, Digital Wallet does not wait for end of day batch to send the SFMS message but that is done real-time
NEFT Clearing Center groups the transaction bank-wise and prepares bank-wise remittances and forwards to NEFT Service Center of the bank
Note:-
NEFT Clearing Center sends the advice to banks in next settlement cycle
212
208
Note:-
Issuer pre-requisite:
1) Create CSR file for decrypting the call/ request and encrypting the response
2) API solution built as prescribed by Digital Wallet
Issuer implements the API to update the statement of the card holder to reflect the amount. The payment amount is reflected, thereby increasing the credit limit
The Credit Card Issuer receives the remittance messages and credits the bank account
Note:-
The statement is updated real-time but the bank receives the amount after 1 day.
214

Figure 2

200

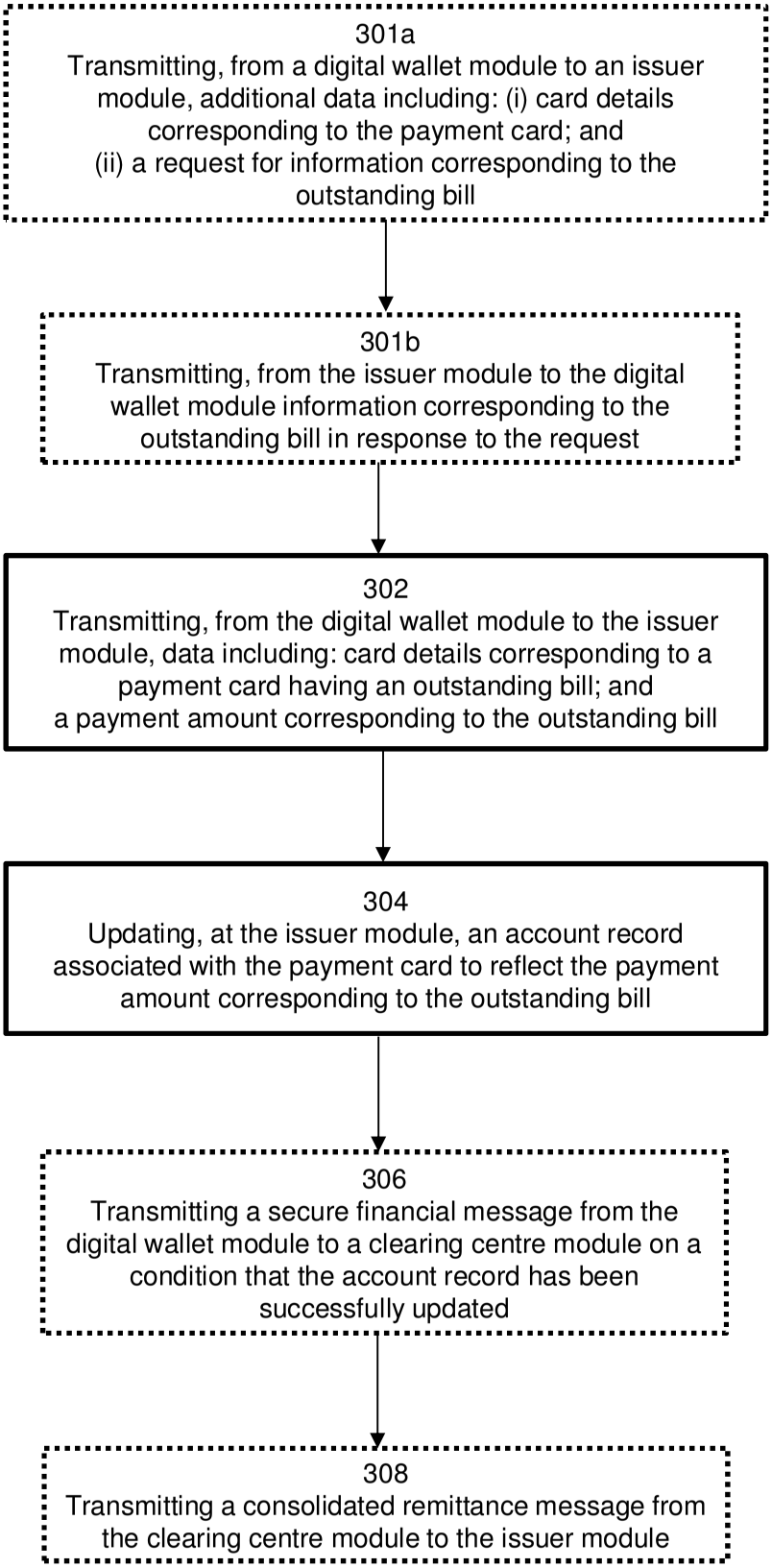

301a
Transmitting, from a digital wallet module to an issuer module, additional data including: (i) card details corresponding to the payment card; and
(ii) a request for information corresponding to the outstanding bill
301b
Transmitting, from the issuer module to the digital wallet module information corresponding to the outstanding bill in response to the request
302
Transmitting, from the digital wallet module to the issuer module, data including: card details corresponding to a payment card having an outstanding bill; and
a payment amount corresponding to the outstanding bill
304
Updating, at the issuer module, an account record associated with the payment card to reflect the payment amount corresponding to the outstanding bill
306
Transmitting a secure financial message from the digital wallet module to a clearing centre module on a condition that the account record has been successfully updated
308
Transmitting a consolidated remittance message from the clearing centre module to the issuer module

Figure 3

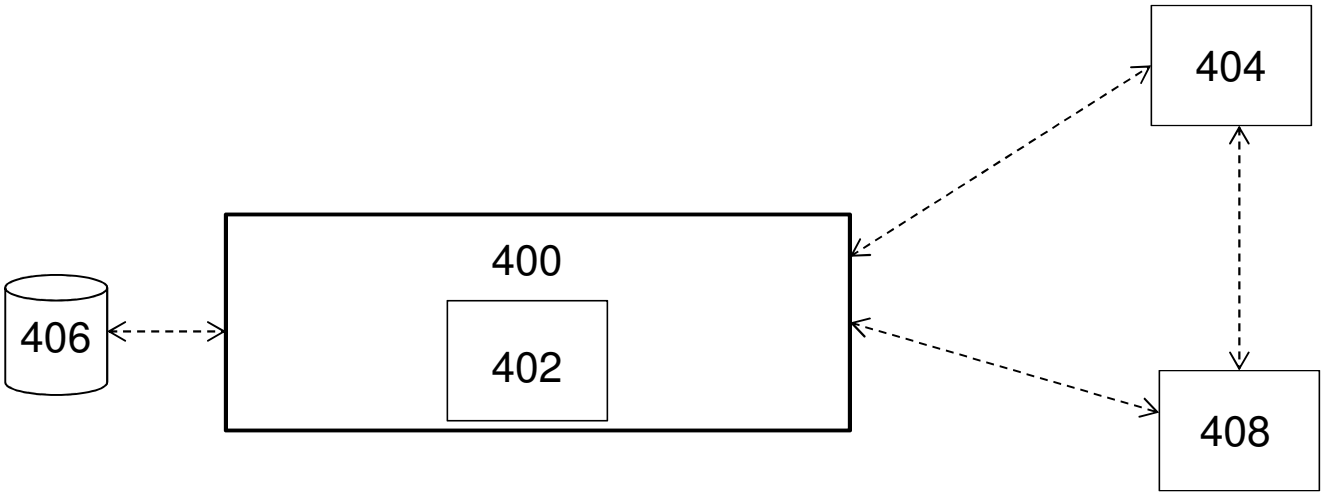


Figure 4

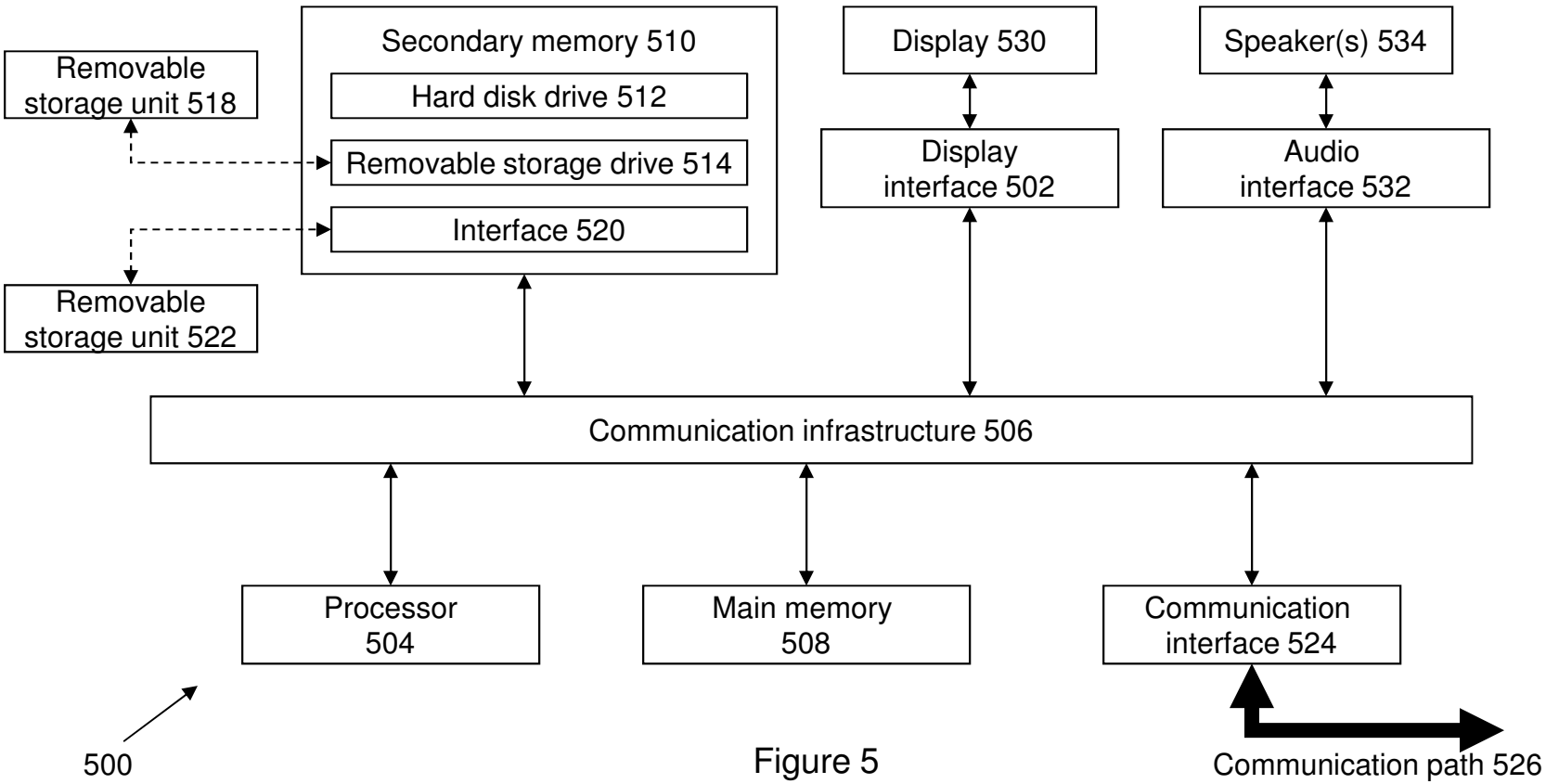

Secondary memory 510
Hard disk drive 512
Removable storage drive 514
Interface 520
Removable storage unit 518
Removable storage unit 522
Display 530
Display interface 502
Speaker(s) 534
Audio interface 532
Communication infrastructure 506
Processor 504
Main memory 508
Communication interface 524
500
Communication path 526

Figure 5