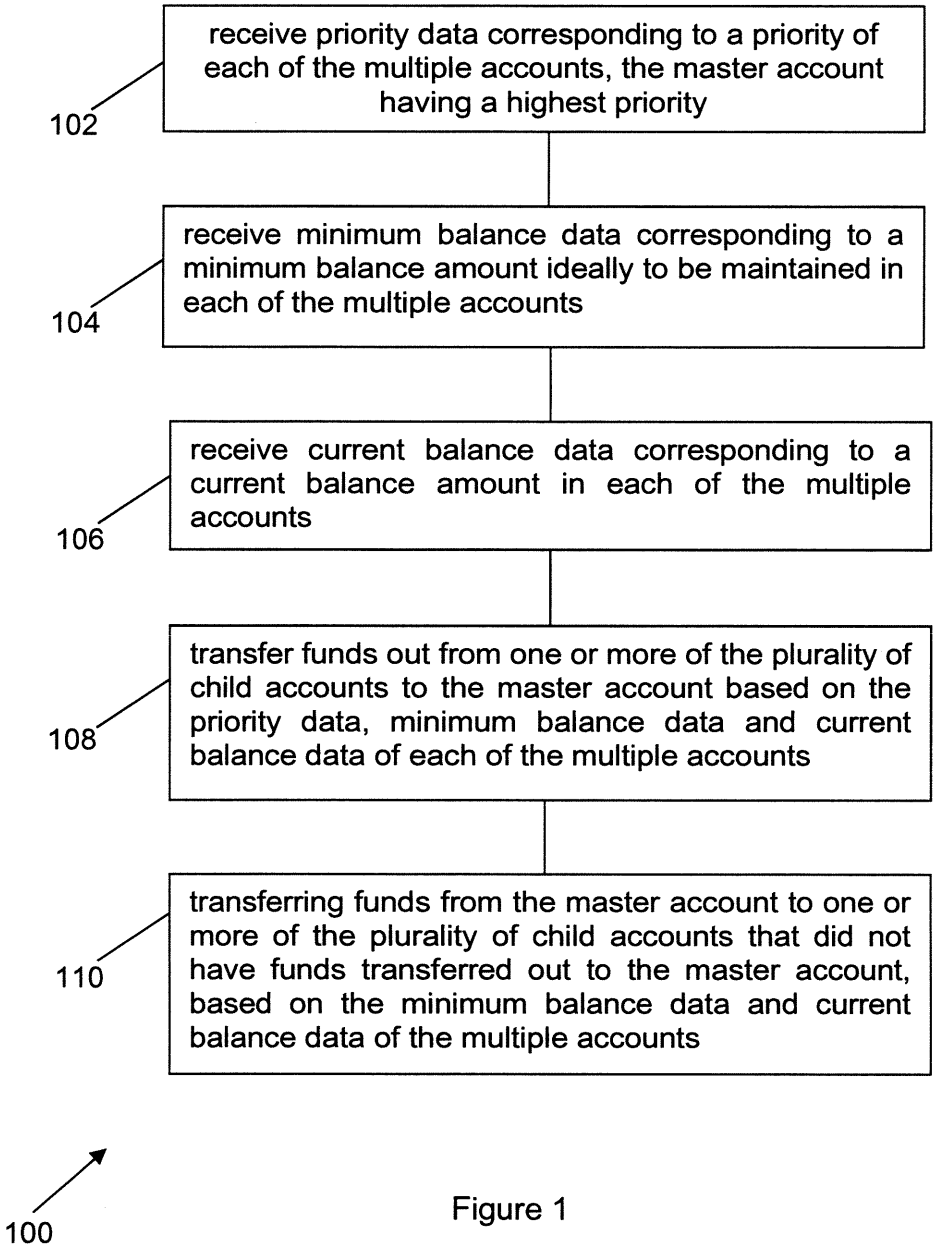

receive priority data corresponding to a priority of each of the multiple accounts, the master account having a highest priority
102
receive minimum balance data corresponding to a minimum balance amount ideally to be maintained in each of the multiple accounts
104
receive current balance data corresponding to a current balance amount in each of the multiple accounts
106
transfer funds out from one or more of the plurality of child accounts to the master account based on the priority data, minimum balance data and current balance data of each of the multiple accounts
108
transferring funds from the master account to one or more of the plurality of child accounts that did not have funds transferred out to the master account, based on the minimum balance data and current balance data of the multiple accounts
110
100

Figure 1

Account	Priority	Minimum Balance Requirements	Payables	Current Balance
Master Account	1	5000		4500
Child 1	2	1000	1000	500
Child 2	3	1000		3000
Child 3	4	1000	2000	500
Child 4	5	2000	500	3000
Child 5	6	1000		2000

Table A

Step 1 - At scheduled time, calculate amount required to get payables cleared	
Account	Amount Needed for Payables
Master Account	0
Child 1	500
Child 2	0
Child 3	1500
Child 4	0
Child 5	0

<== Minimum amount needed to be transferred into these accounts

Table B

Step 2 - Calculate surplus funds in each account (leaving aside minimum balance requirements)	
Account	Current balance - Amount needed for payables
Master Account	4500
Child 1	-500
Child 2	3000
Child 3	-1500
Child 4	2500
Child 5	2000

Table C

Step 3 - Determine surplus funds in each account (considering minimum balance requirements)	
Master Account	-500
Child 1	-1500
Child 2	2000
Child 3	-2500
Child 4	500
Child 5	1000
Total amount required	-1000

Table D

Step 4 - Since minimum balance requirement could not be met for all accounts, start deducting complete funds starting from lowest priority account (as per balances in Step 2)				
Account	Amount to transfer	Balance after transfer to Master Account	Remaining Mandatory amount	Comments
Child 5	2000	0	1000	This transfer leads to all other accounts to retain minimum balance
Child 4	500	2500	1500	
Child 3	0	500	1500	
Child 2	2000	1000	3500	
Child 1	0	500	3500	
Master Account	0	9000	3500	Since Master Account receives all funds from accounts

Table E

Step 5 - Transfer of required amounts to child accounts				
Account	Amount received by child accounts	Balance after transfer from Master Accounts	Balance remaining after payables	Comments
Master Account	500	5000	5000	After netting of all accounts, Master Account receives $500 in total
Child 1	1500	2000	1000	
Child 2	0	1000	1000	
Child 3	2500	3000	1000	
Child 4	0	2500	2000	
Child 5	0	0	0	Lowest priority accounts lead to zero balances

Table F

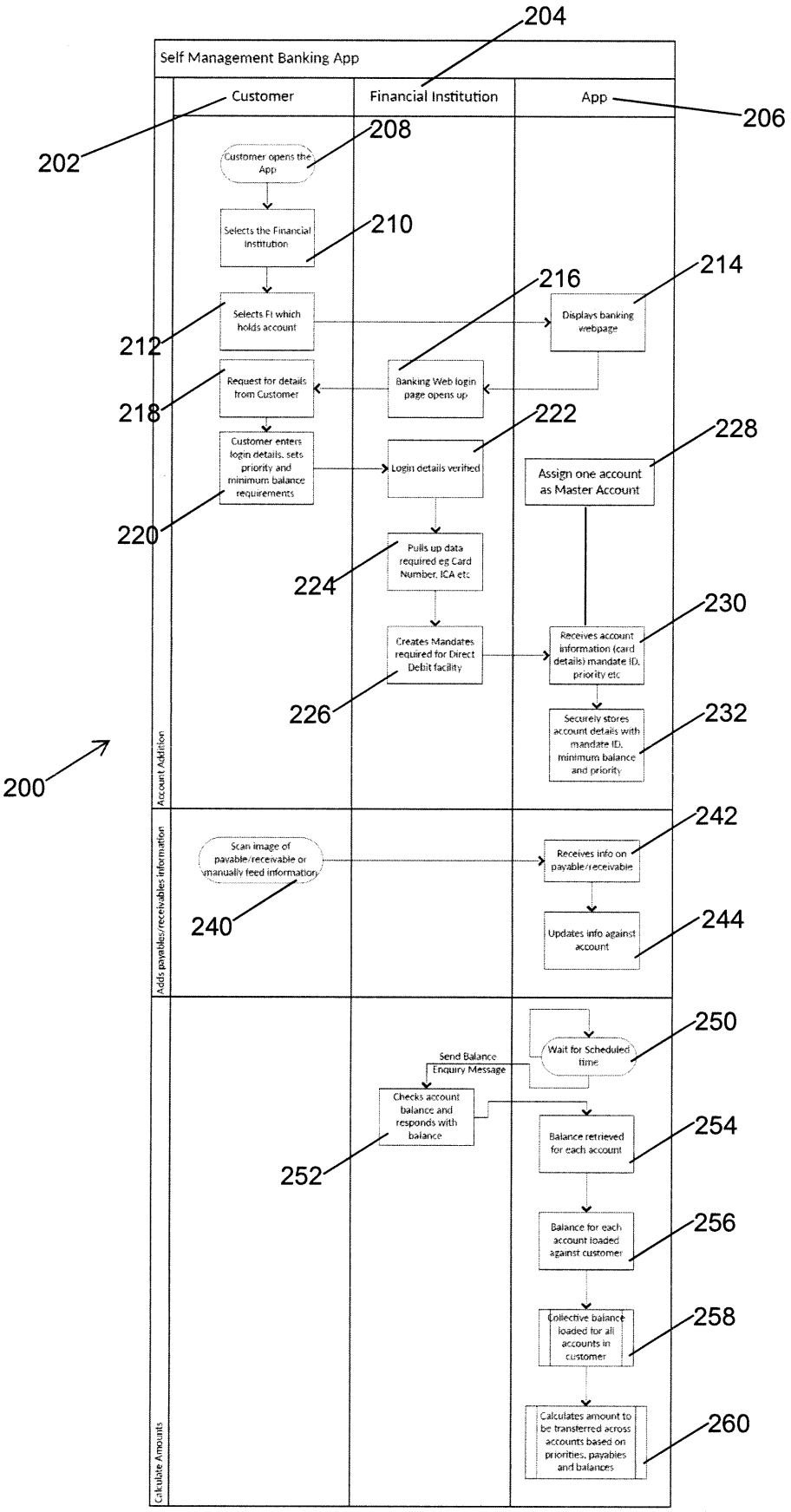

Self Management Banking App
Customer
Financial Institution
App
202
204
206
208
210
212
214
216
218
220
222
224
226
228
230
232
200
Customer opens the App
Selects the Financial Institution
Selects FI which holds account
Displays banking webpage
Request for details from Customer
Banking Web login page opens up
Customer enters login details, sets priority and minimum balance requirements
Login details verified
Assign one account as Master Account
Pulls up data required eg Card Number, ICA etc
Creates Mandates required for Direct Debit facility
Receives account information (card details) mandate ID, priority etc
Securely stores account details with mandate ID, minimum balance and priority
Account Addition
Scan image of payable/receivable or manually feed information
Receives info on payable/receivable
Updates info against account
240
242
244
Adds payables/receivables information
Wait for Scheduled time
Send Balance Enquiry Message
Checks account balance and responds with balance
Balance retrieved for each account
Balance for each account loaded against customer
Collective balance loaded for all accounts in customer
Calculates amount to be transferred across accounts based on priorities, payables and balances
250
252
254
256
258
260
Calculate Amounts

Figure 2

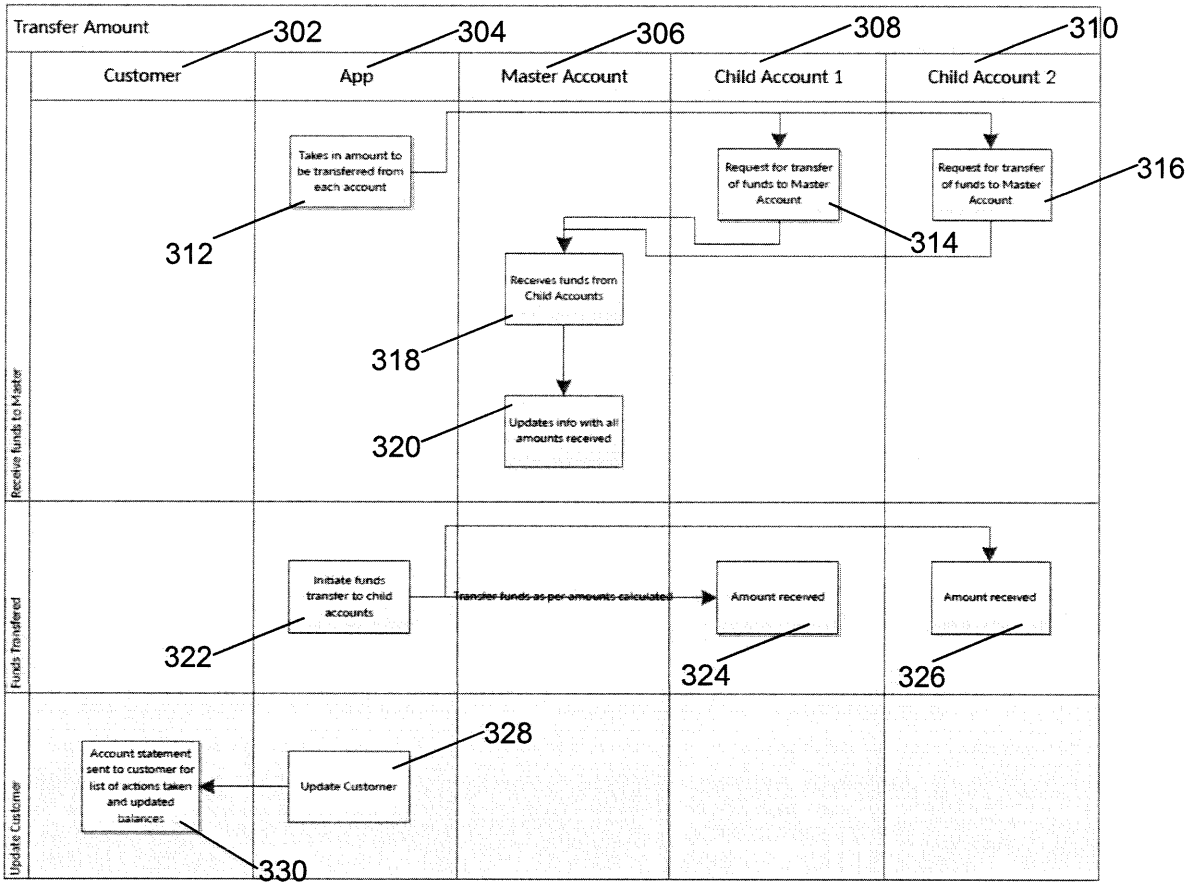

Transfer Amount
Customer
App
Master Account
Child Account 1
Child Account 2
302
304
306
308
310
316
312
314
318
320
322
324
326
328
330
Receive funds to Master
Funds Transfered
Update Customer
Takes in amount to be transferred from each account
Request for transfer of funds to Master Account
Request for transfer of funds to Master Account
Receives funds from Child Accounts
Updates info with all amounts received
Initiate funds transfer to child accounts
Transfer funds as per amounts calculated
Amount received
Amount received
Update Customer
Account statement sent to customer for list of actions taken and updated balances

Figure 3

300

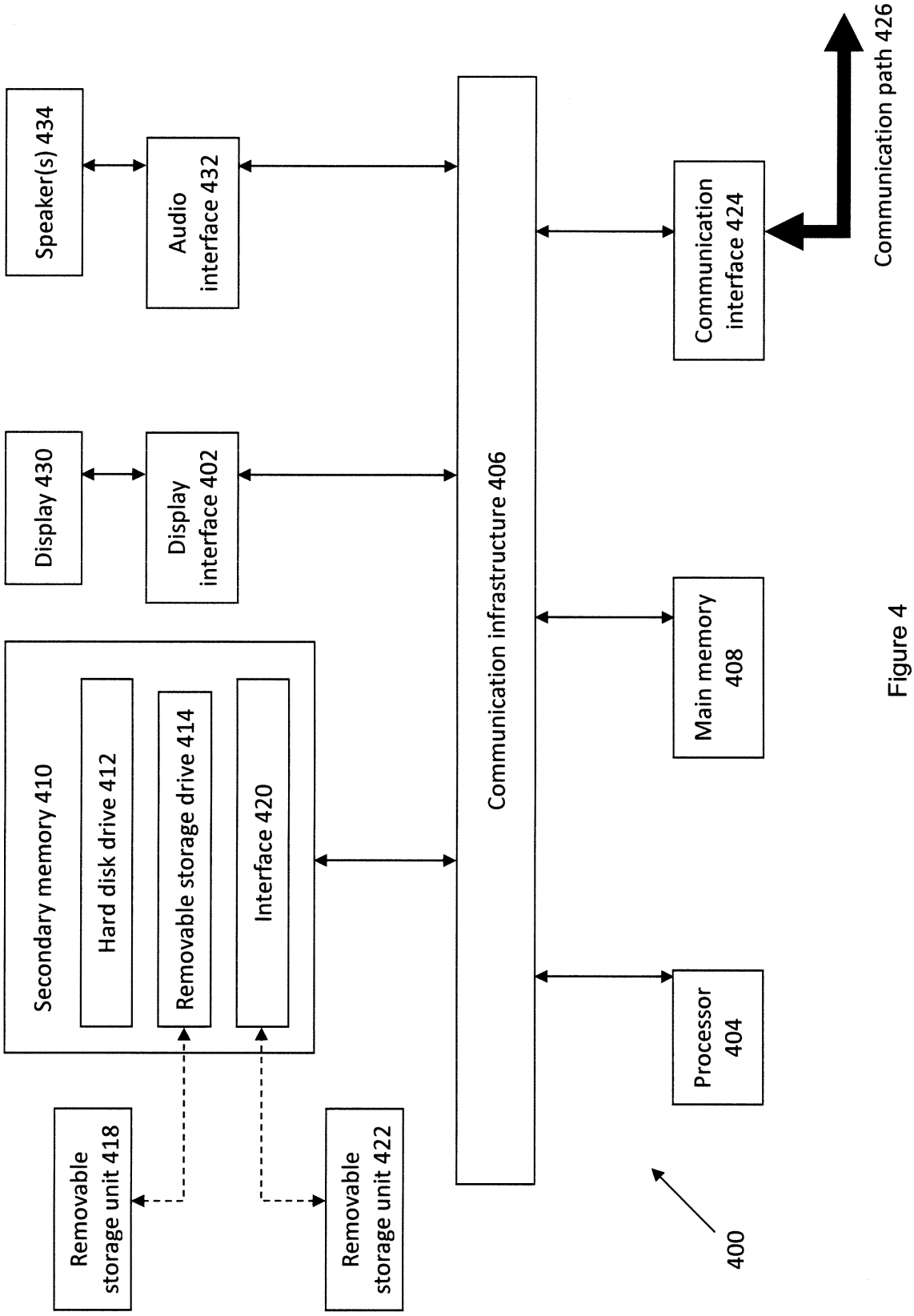

Speaker(s) 434
Audio interface 432
Display 430
Display interface 402
Secondary memory 410
Hard disk drive 412
Removable storage drive 414
Interface 420
Communication infrastructure 406
Communication interface 424
Communication path 426
Main memory 408
Processor 404
Removable storage unit 418
Removable storage unit 422
400

Figure 4

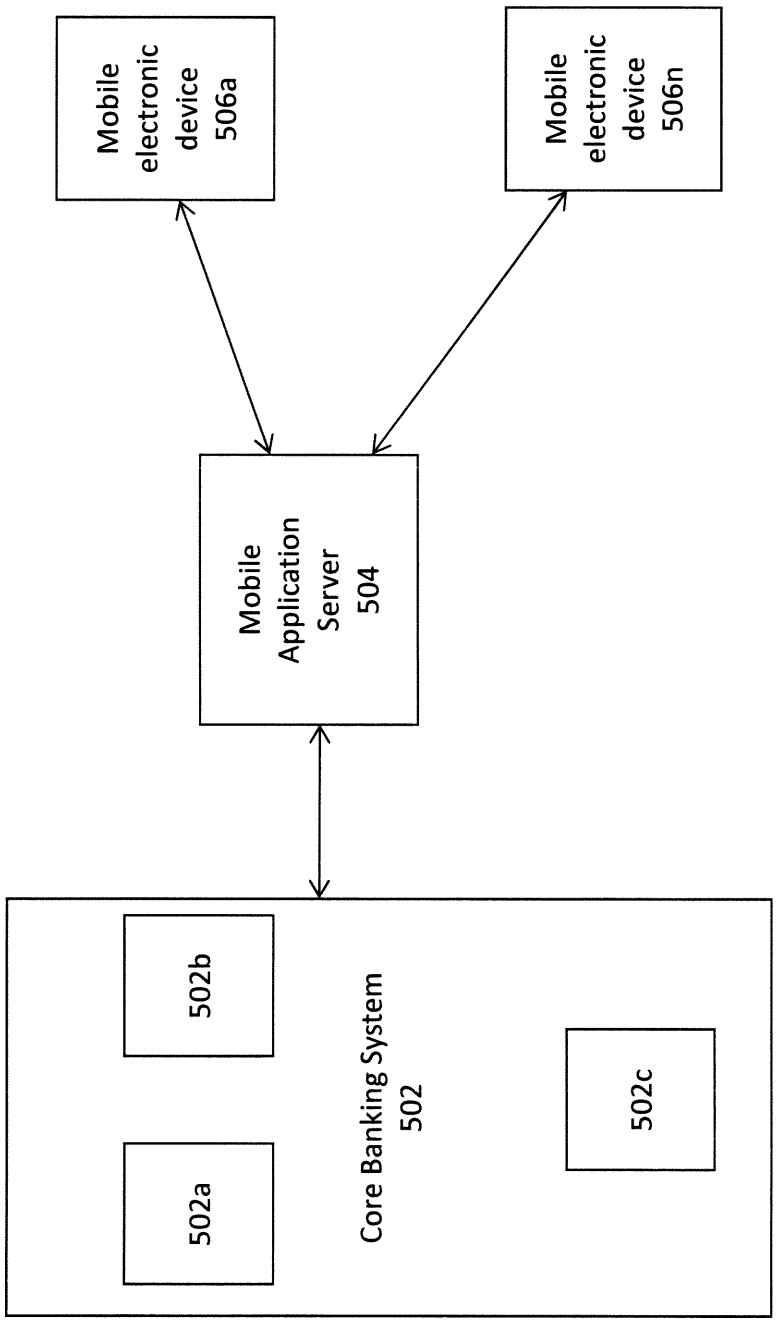

Mobile electronic device 506a
Mobile electronic device 506n
Mobile Application Server 504
Core Banking System 502
502a
502b
502c
500

Figure 5