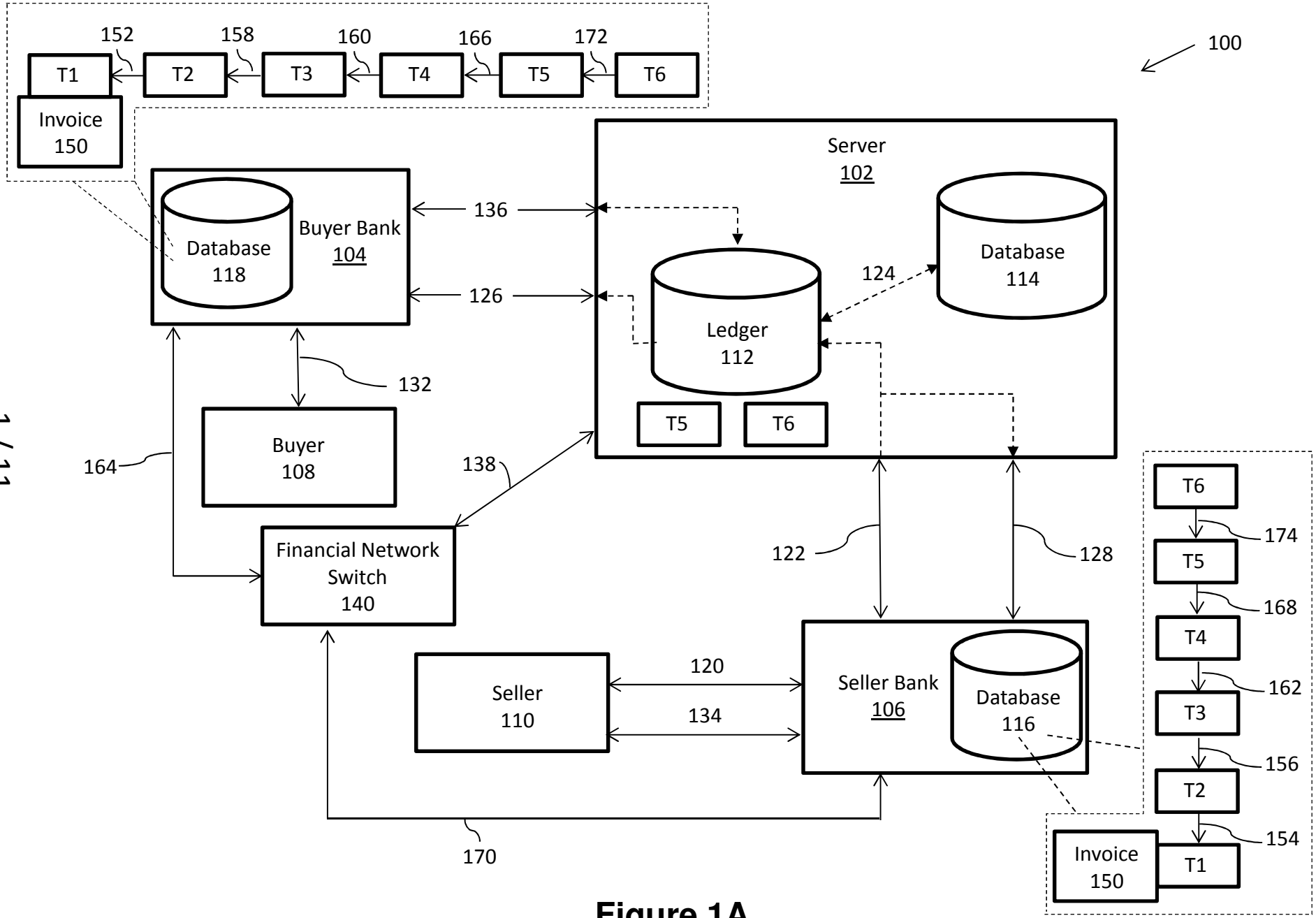

100
152
158
160
166
172
T1
T2
T3
T4
T5
T6
Invoice
150
Server
102
Database
118
Buyer Bank
104
136
126
Ledger
112
Database
114
124
T5
T6
132
Buyer
108
164
138
Financial Network
Switch
140
122
128
Seller
110
120
134
Seller Bank
106
Database
116
170
T6
174
T5
168
T4
162
T3
156
T2
154
Invoice
150
T1

Figure 1A

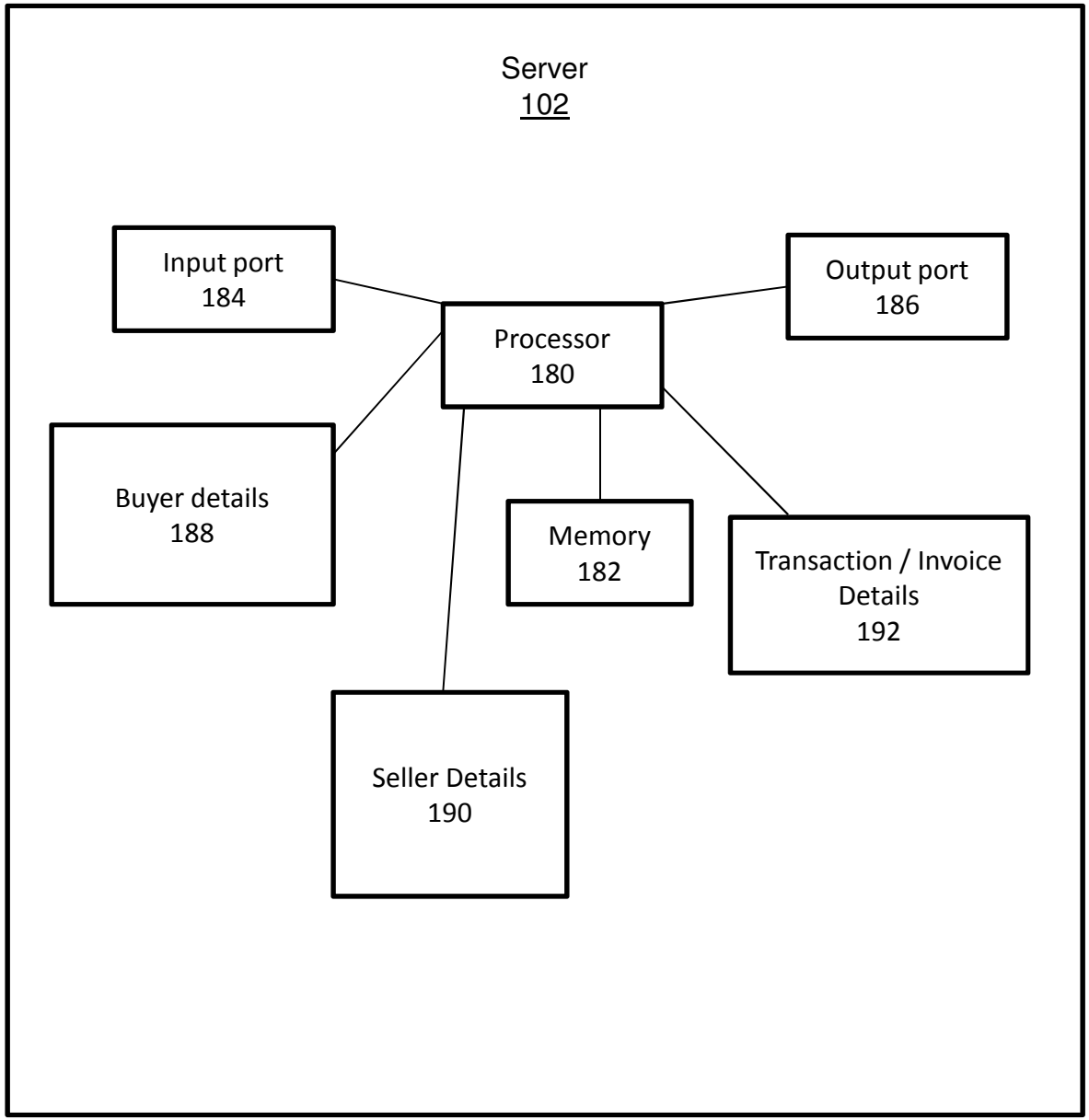

Server
102
Input port
184
Output port
186
Processor
180
Buyer details
188
Memory
182
Transaction / Invoice
Details
192
Seller Details
190

Figure 1B

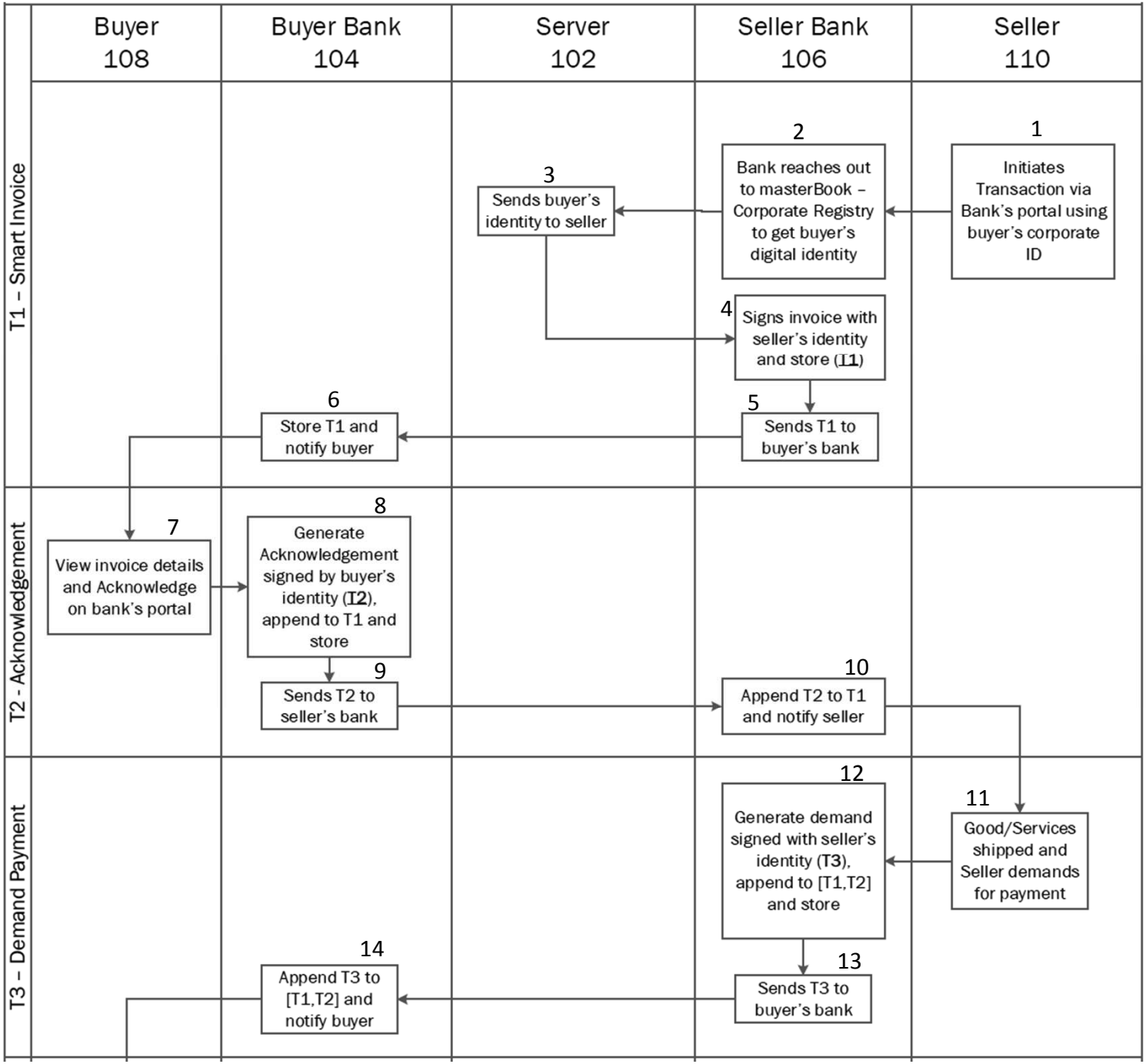
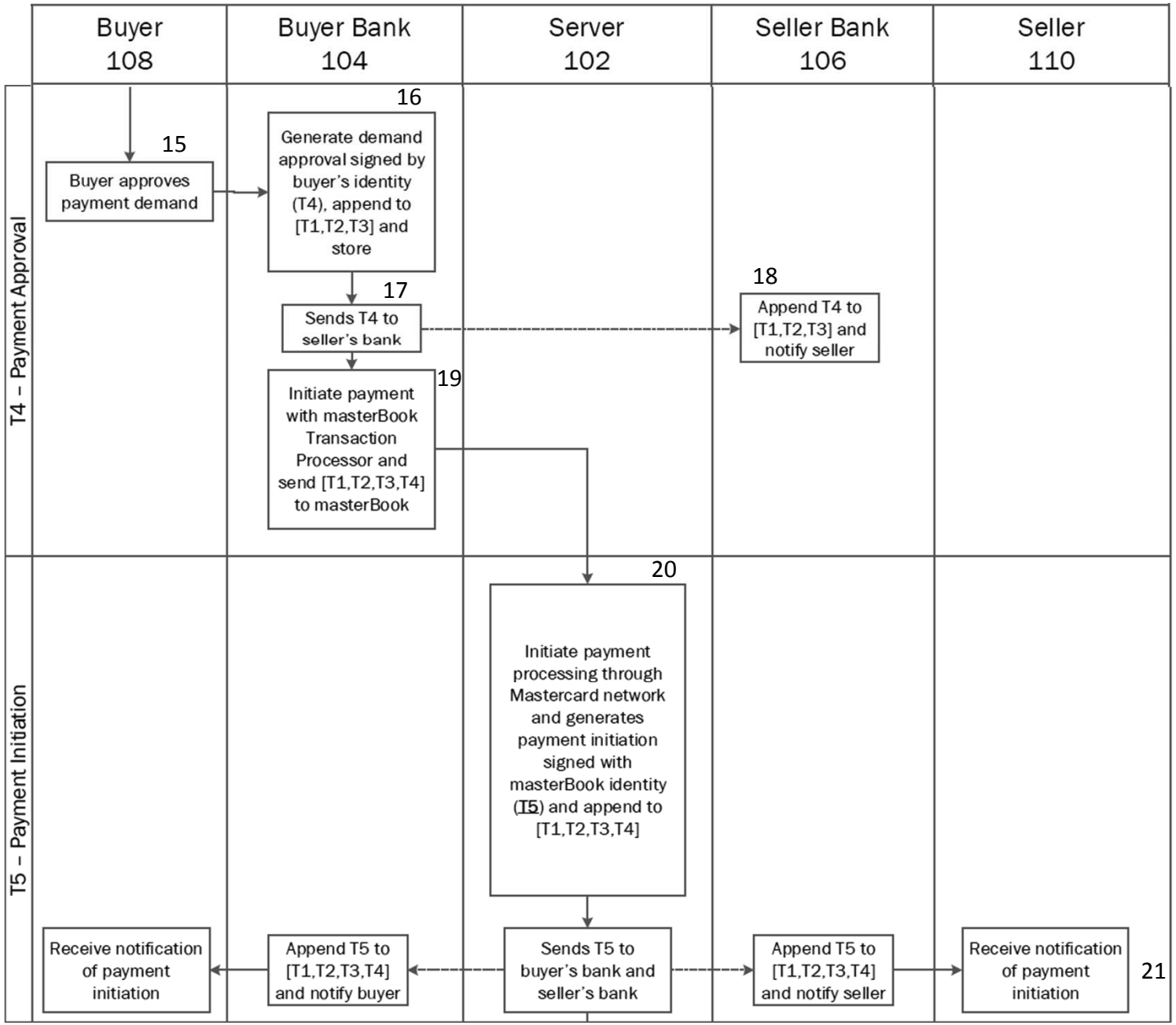

Buyer
108
Buyer Bank
104
Server
102
Seller Bank
106
Seller
110
T1 – Smart Invoice
T2 - Acknowledgement
T3 – Demand Payment
1
Initiates Transaction via Bank's portal using buyer's corporate ID
2
Bank reaches out to masterBook – Corporate Registry to get buyer's digital identity
3
Sends buyer's identity to seller
4
Signs invoice with seller's identity and store (T1)
5
Sends T1 to buyer's bank
6
Store T1 and notify buyer
7
View invoice details and Acknowledge on bank's portal
8
Generate Acknowledgement signed by buyer's identity (T2), append to T1 and store
9
Sends T2 to seller's bank
10
Append T2 to T1 and notify seller
11
Good/Services shipped and Seller demands for payment
12
Generate demand signed with seller's identity (T3), append to [T1,T2] and store
13
Sends T3 to buyer's bank
14
Append T3 to [T1,T2] and notify buyer
To Figure 2B

Figure 2A

From Figure 2A



To Figure 2C

Figure 2B

From Figure 2B

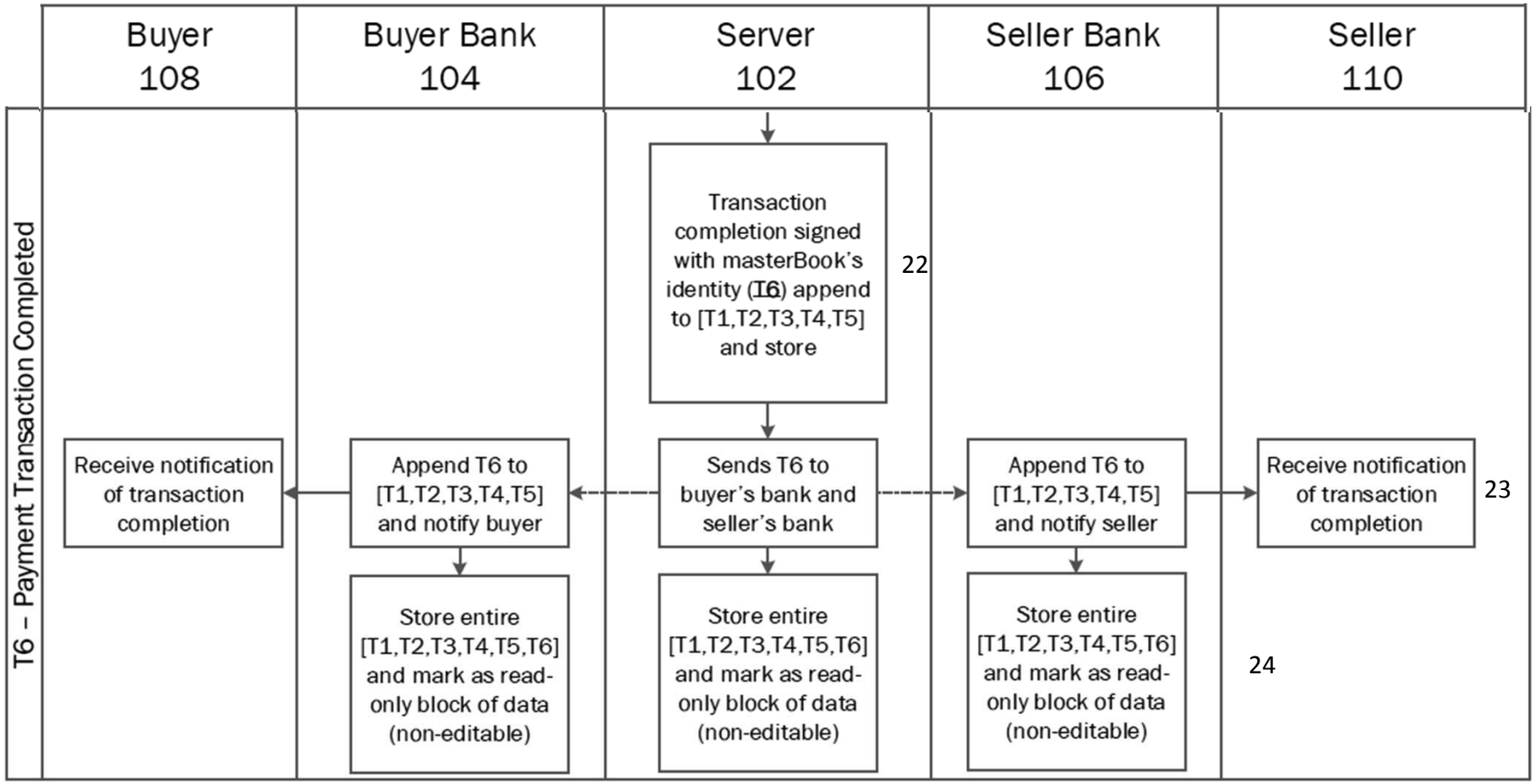


Figure 2C

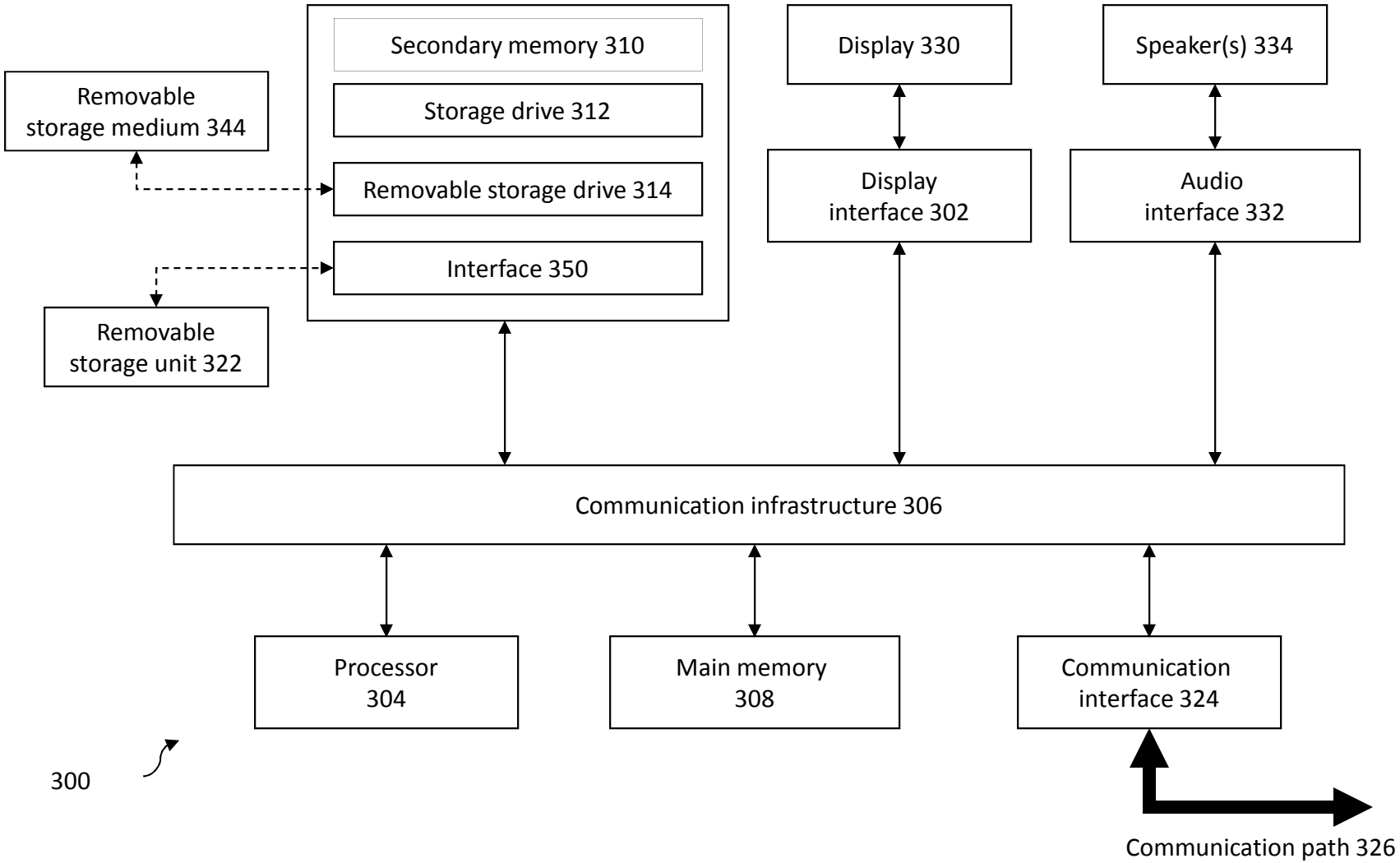

Secondary memory 310
Storage drive 312
Removable storage drive 314
Interface 350
Removable storage medium 344
Removable storage unit 322
Display 330
Display interface 302
Speaker(s) 334
Audio interface 332
Communication infrastructure 306
Processor 304
Main memory 308
Communication interface 324
300
Communication path 326

Figure 3

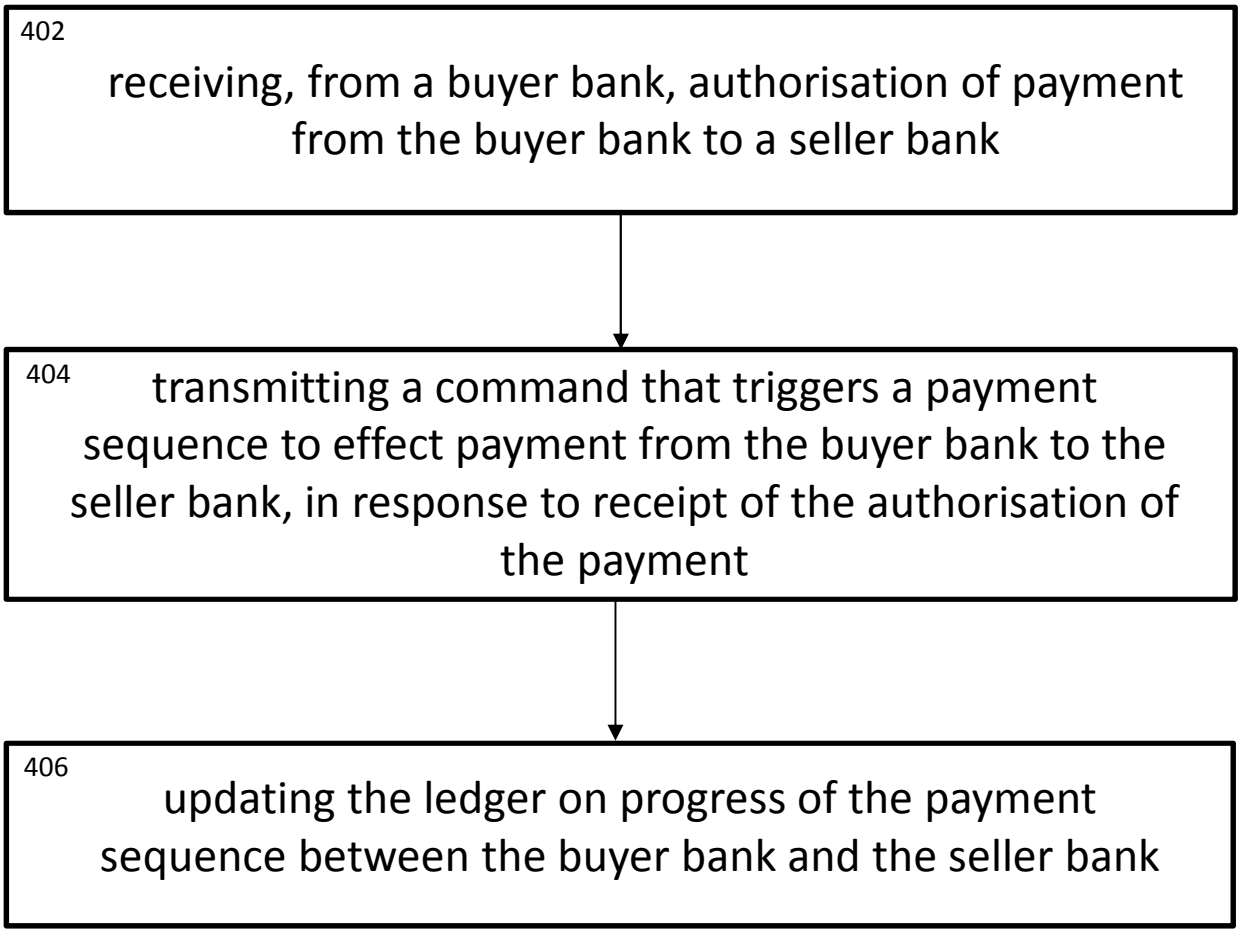

402
receiving, from a buyer bank, authorisation of payment from the buyer bank to a seller bank
404
transmitting a command that triggers a payment sequence to effect payment from the buyer bank to the seller bank, in response to receipt of the authorisation of the payment
406
updating the ledger on progress of the payment sequence between the buyer bank and the seller bank
400

Figure 4

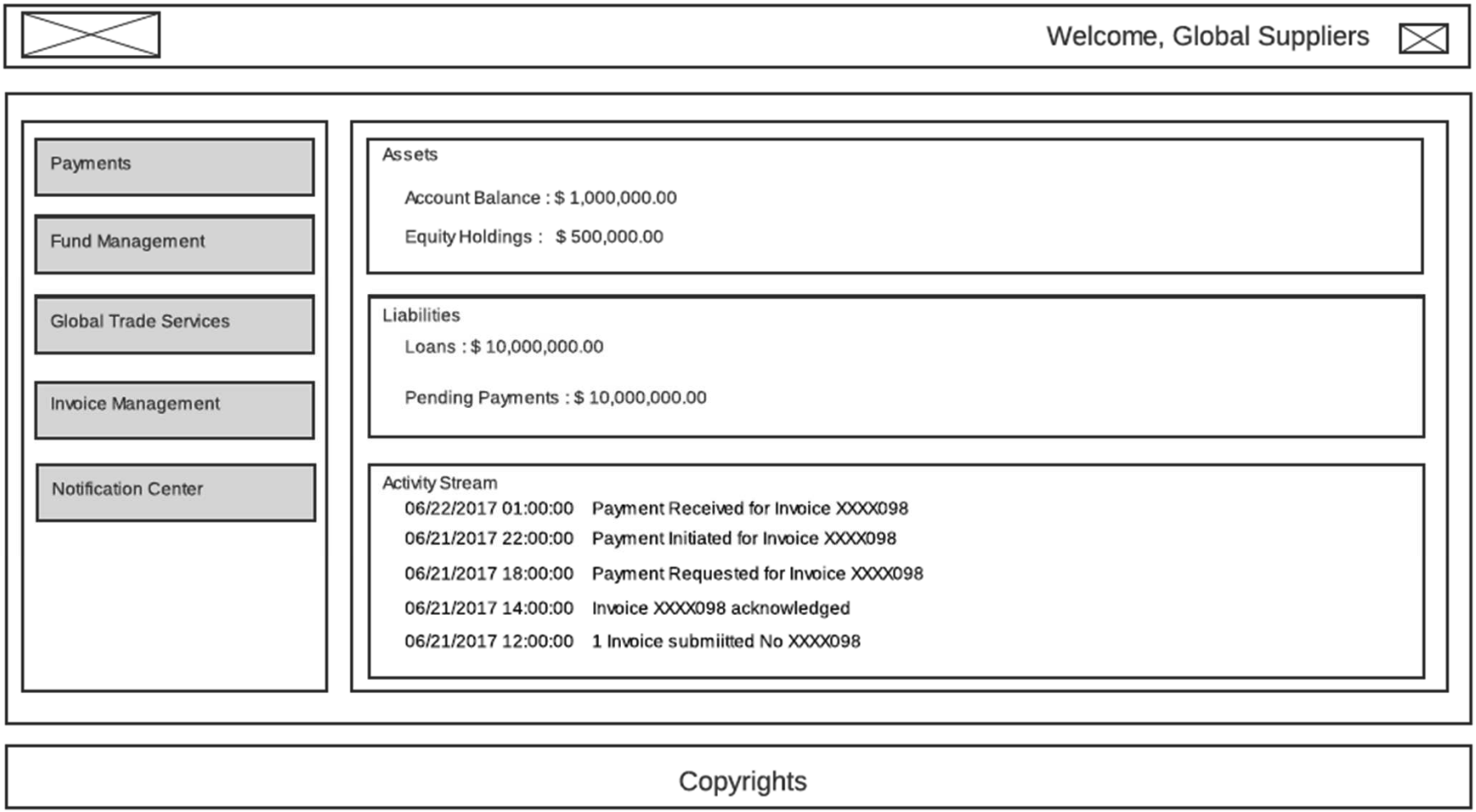

Welcome, Global Suppliers
Payments
Fund Management
Global Trade Services
Invoice Management
Notification Center
Assets
Account Balance : $ 1,000,000.00
Equity Holdings : $ 500,000.00
Liabilities
Loans : $ 10,000,000.00
Pending Payments : $ 10,000,000.00
Activity Stream
06/22/2017 01:00:00 Payment Received for Invoice XXXX098
06/21/2017 22:00:00 Payment Initiated for Invoice XXXX098
06/21/2017 18:00:00 Payment Requested for Invoice XXXX098
06/21/2017 14:00:00 Invoice XXXX098 acknowledged
06/21/2017 12:00:00 1 Invoice submiitted No XXXX098
Copyrights

Figure 5A

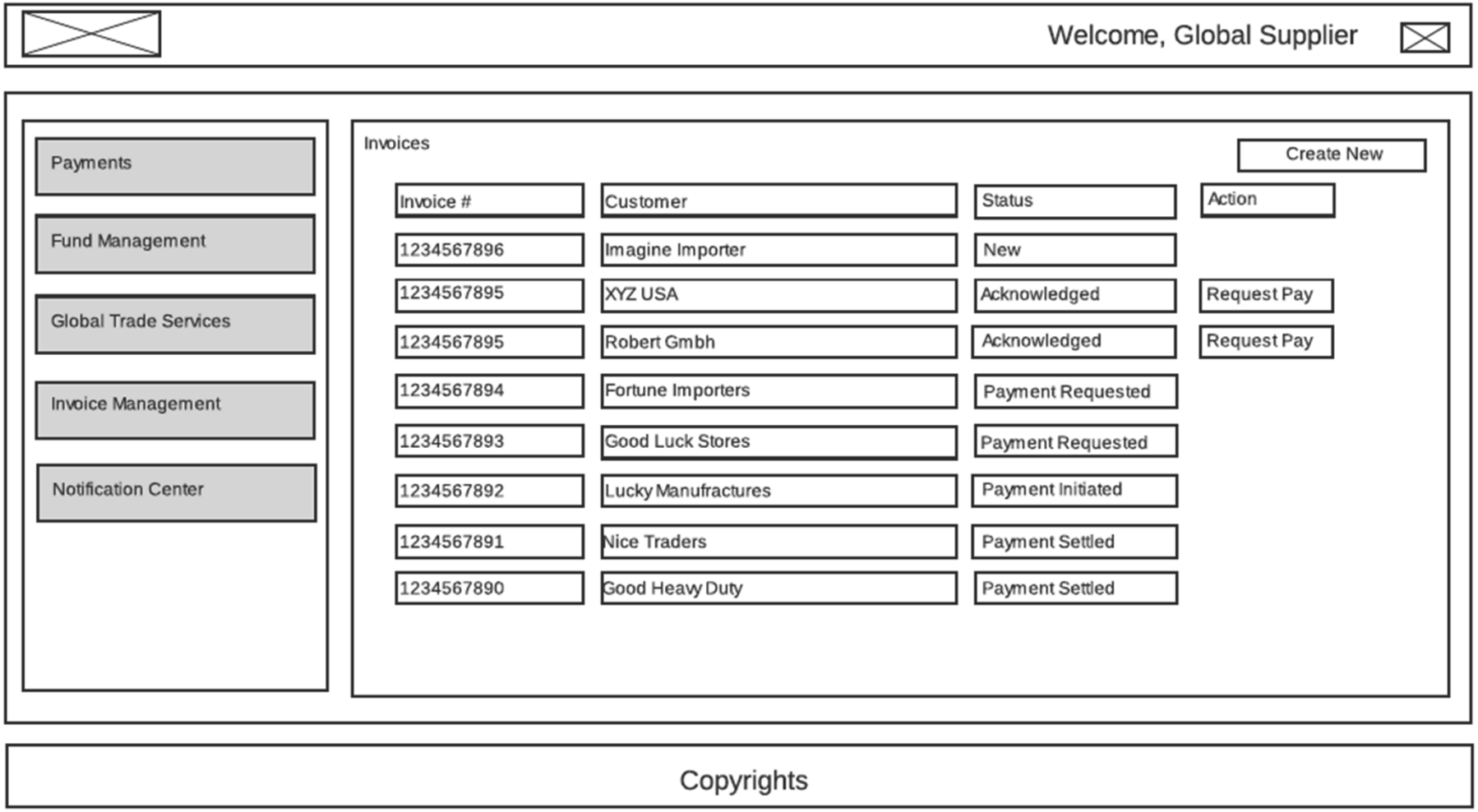

Welcome, Global Supplier
Payments
Fund Management
Global Trade Services
Invoice Management
Notification Center
Invoices
Create New
Invoice #
Customer
Status
Action
1234567896
Imagine Importer
New
1234567895
XYZ USA
Acknowledged
Request Pay
1234567895
Robert Gmbh
Acknowledged
Request Pay
1234567894
Fortune Importers
Payment Requested
1234567893
Good Luck Stores
Payment Requested
1234567892
Lucky Manufractures
Payment Initiated
1234567891
Nice Traders
Payment Settled
1234567890
Good Heavy Duty
Payment Settled
Copyrights

Figure 5B

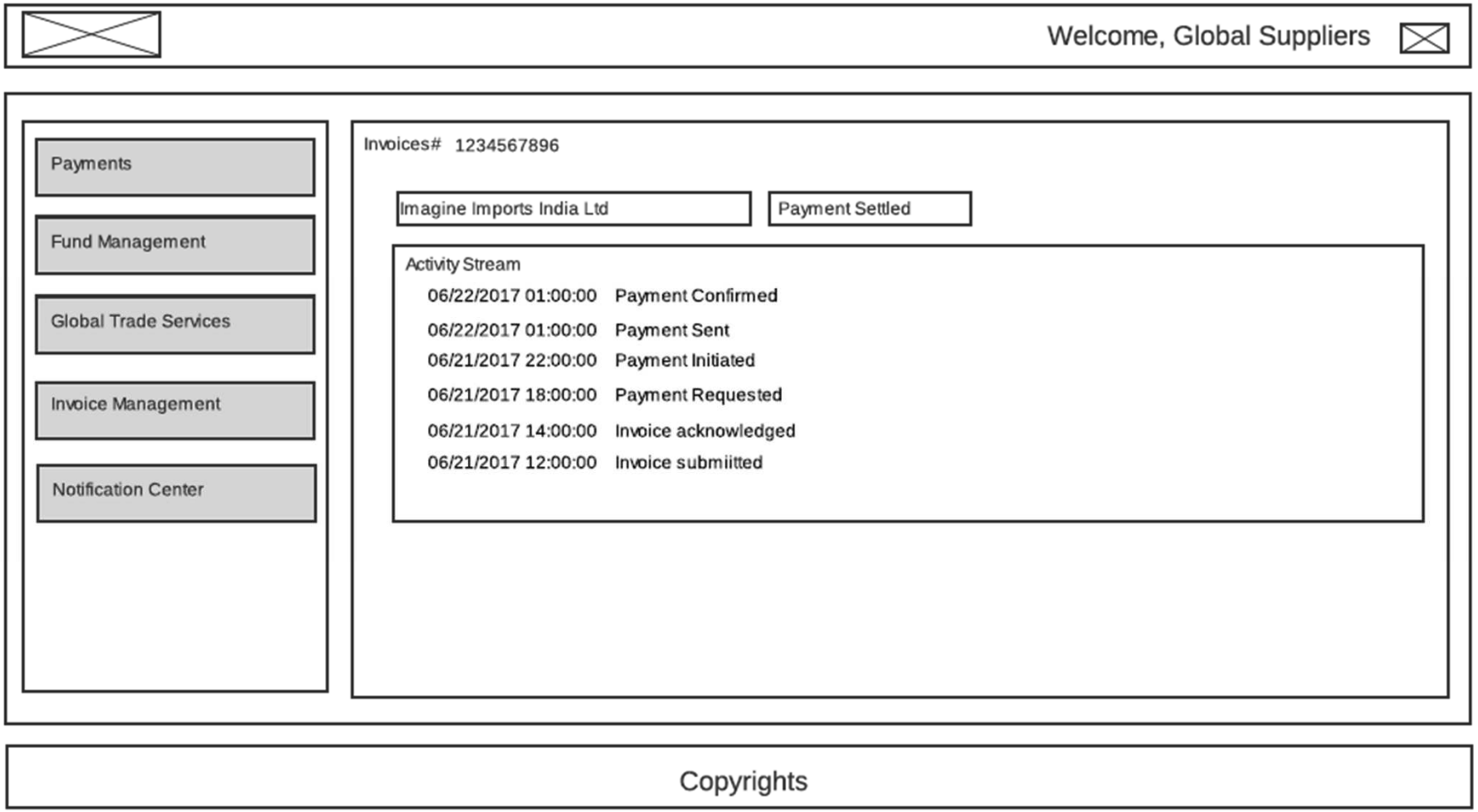

Welcome, Global Suppliers
Payments
Fund Management
Global Trade Services
Invoice Management
Notification Center
Invoices# 1234567896
Imagine Imports India Ltd
Payment Settled
Activity Stream
06/22/2017 01:00:00 Payment Confirmed
06/22/2017 01:00:00 Payment Sent
06/21/2017 22:00:00 Payment Initiated
06/21/2017 18:00:00 Payment Requested
06/21/2017 14:00:00 Invoice acknowledged
06/21/2017 12:00:00 Invoice submiitted
Copyrights

Figure 5C

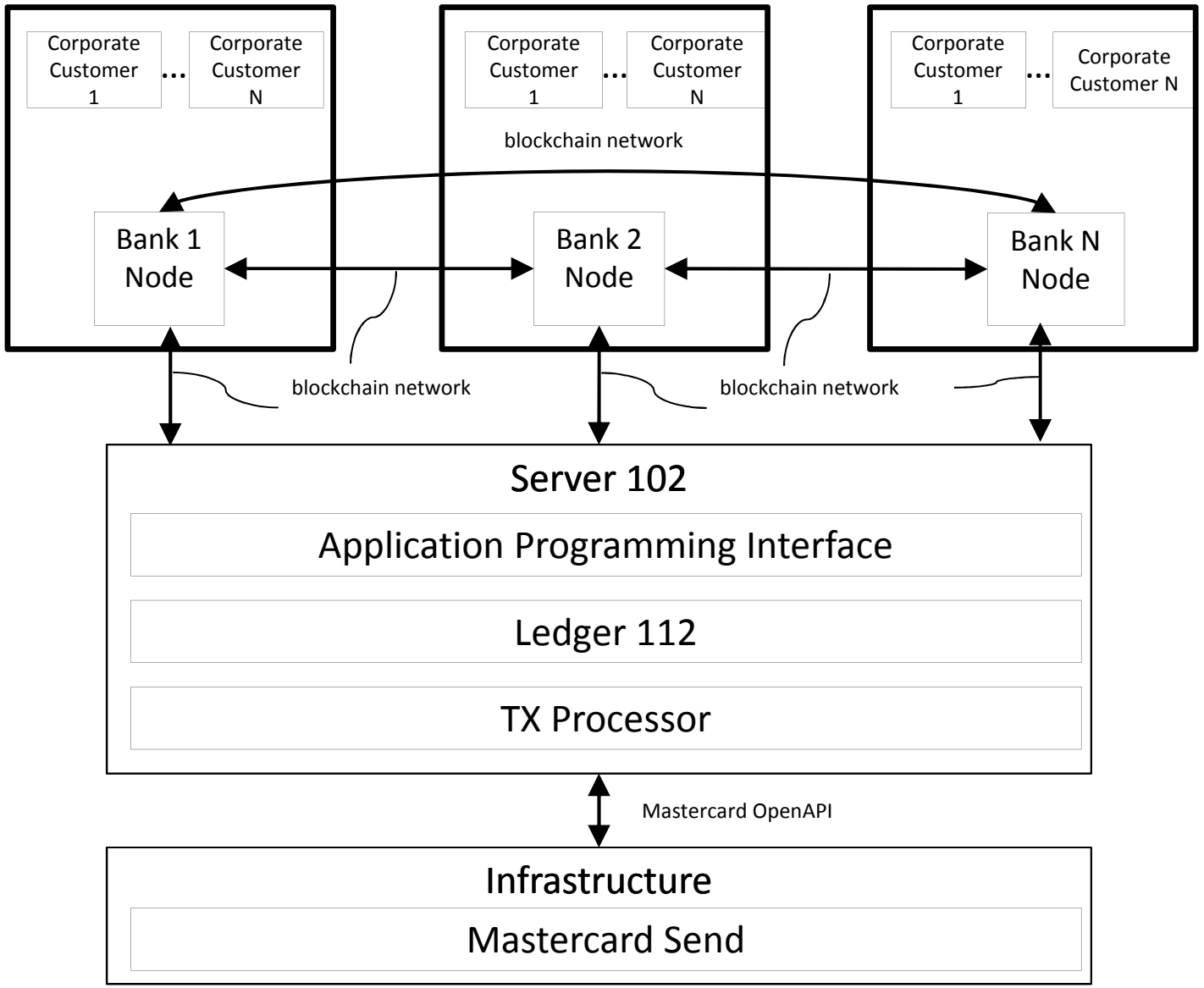

Corporate Customer 1
Corporate Customer N
Corporate Customer 1
Corporate Customer N
Corporate Customer 1
Corporate Customer N
blockchain network
Bank 1 Node
Bank 2 Node
Bank N Node
blockchain network
blockchain network
Server 102
Application Programming Interface
Ledger 112
TX Processor
Mastercard OpenAPI
Infrastructure
Mastercard Send

Figure 6