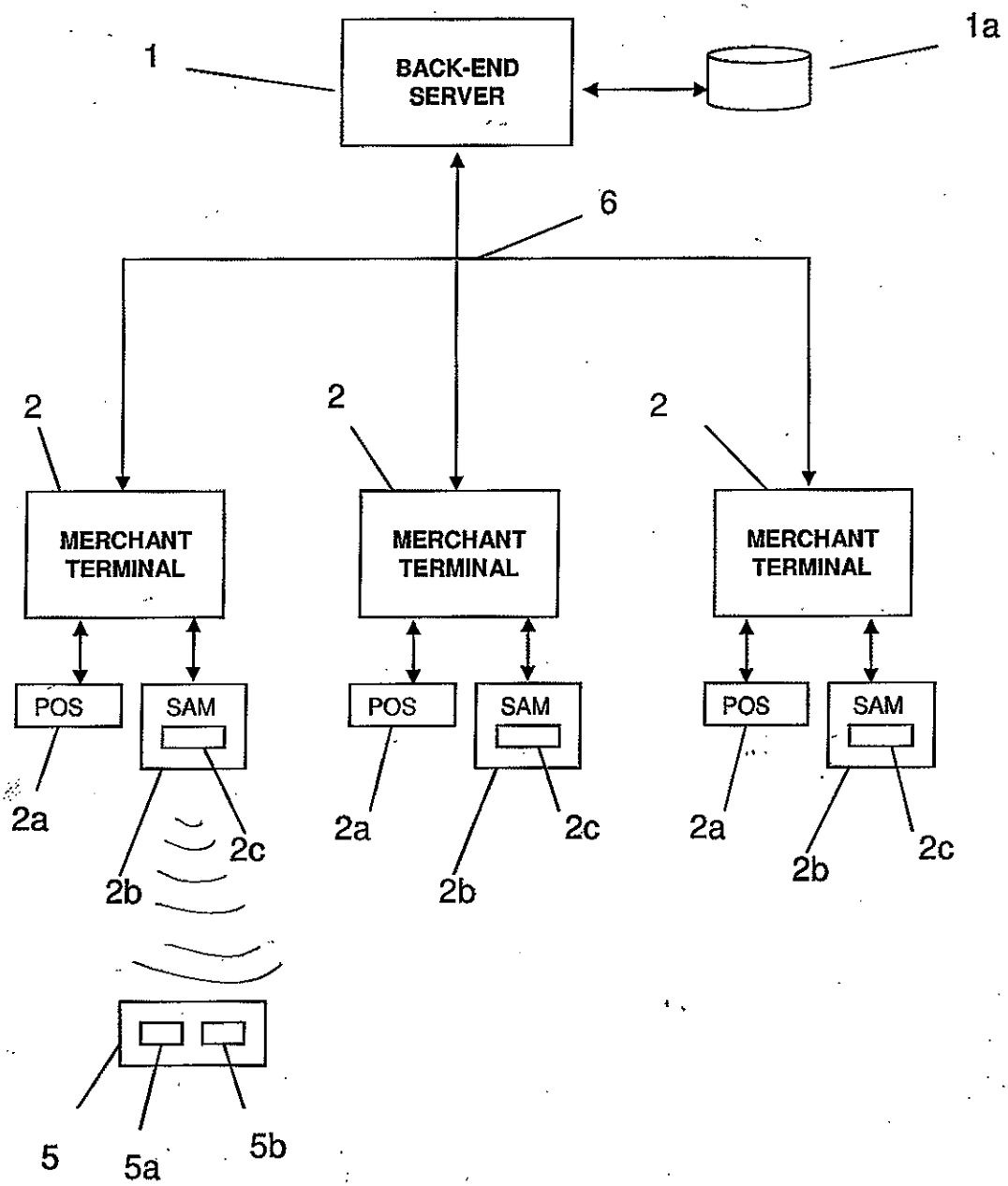

1
BACK-END SERVER
1a
6
2
2
2
MERCHANT TERMINAL
MERCHANT TERMINAL
MERCHANT TERMINAL
POS
SAM
POS
SAM
POS
SAM
2a
2c
2b
2a
2c
2b
2a
2b
2c
5
5a
5b

FIG. 1

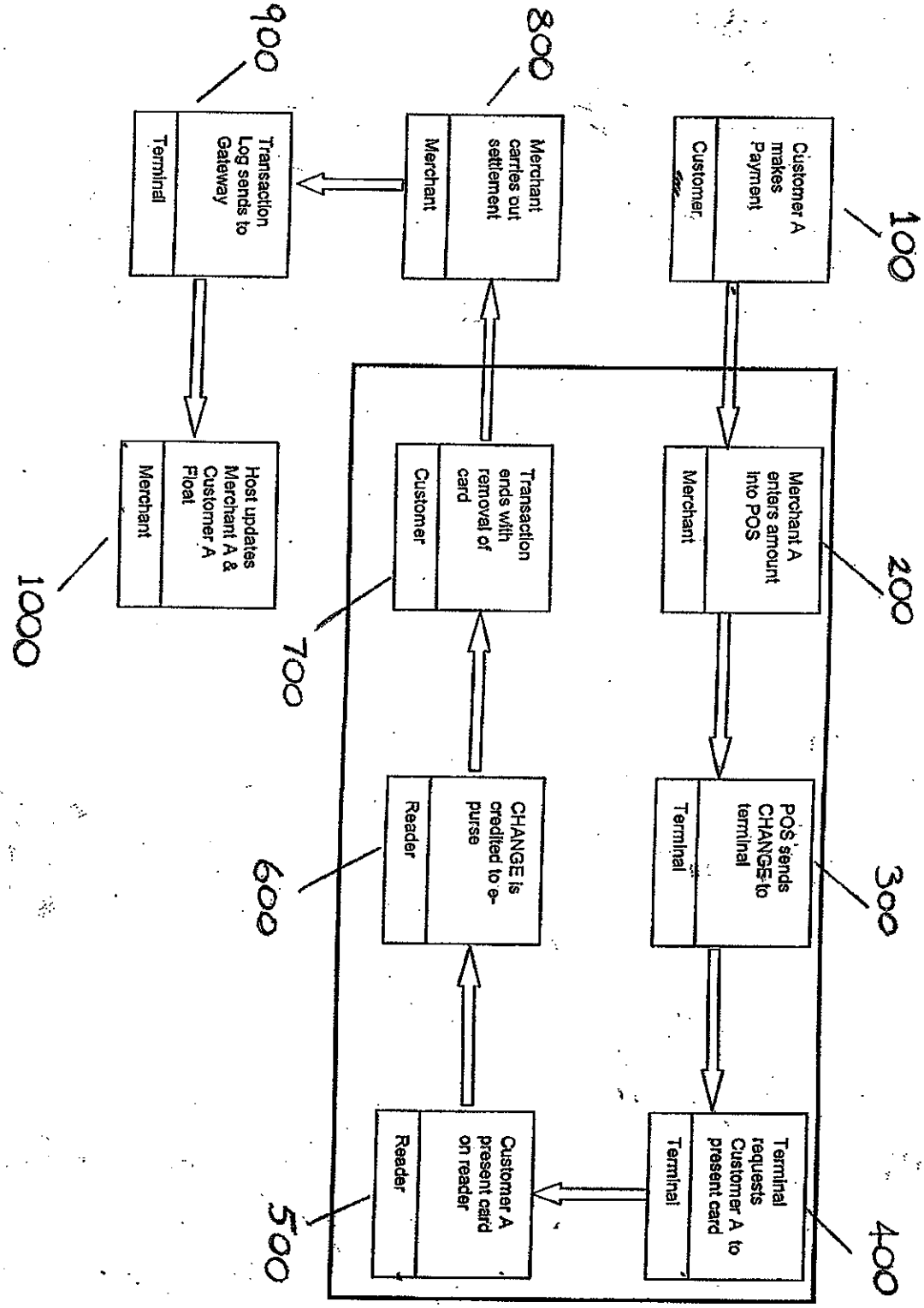

Customer A makes Payment
Customer
100
Merchant A enters amount into POS
Merchant
200
POS sends CHANGE to terminal
Terminal
300
Terminal requests Customer A to present card
Terminal
400
Customer A present card on reader
Reader
500
CHANGE is credited to e-purse
Reader
600
Transaction ends with removal of card
Customer
700
Merchant carries out settlement
Merchant
800
Transaction Log sends to Gateway
Terminal
900
Host updates Merchant A & Customer A Float
Merchant
1000

Fig. 2

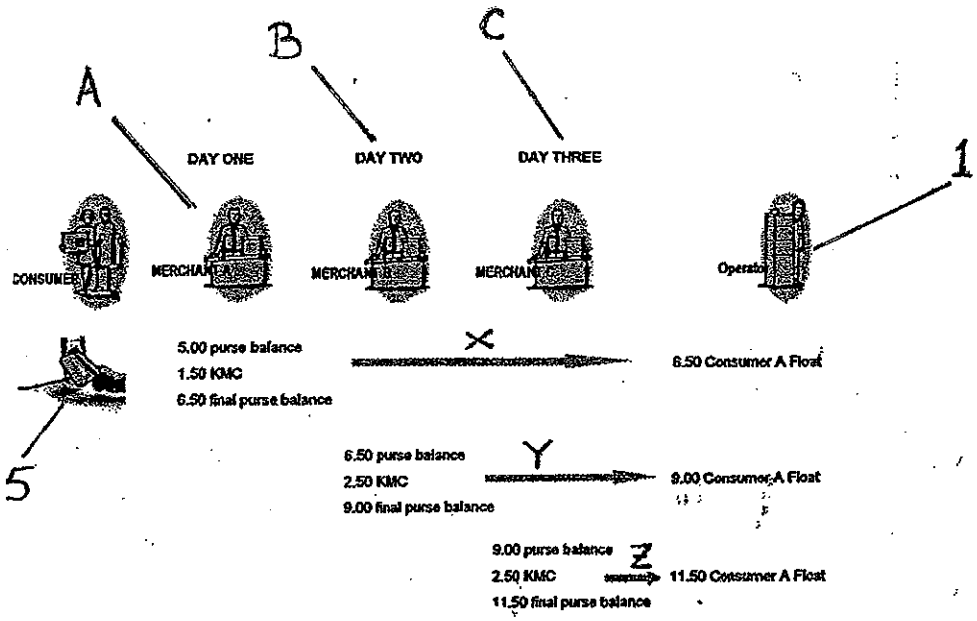

A
B
C
DAY ONE
DAY TWO
DAY THREE
1
CONSUMER
MERCHANT A
MERCHANT B
MERCHANT C
Operato
5
5.00 purse balance
1.50 KMC
6.50 final purse balance
X
6.50 Consumer A Float
6.50 purse balance
2.50 KMC
9.00 final purse balance
Y
9.00 Consumer A Float
9.00 purse balance
2.50 KMC
11.50 final purse balance
Z
11.50 Consumer A Float

Fig. 3