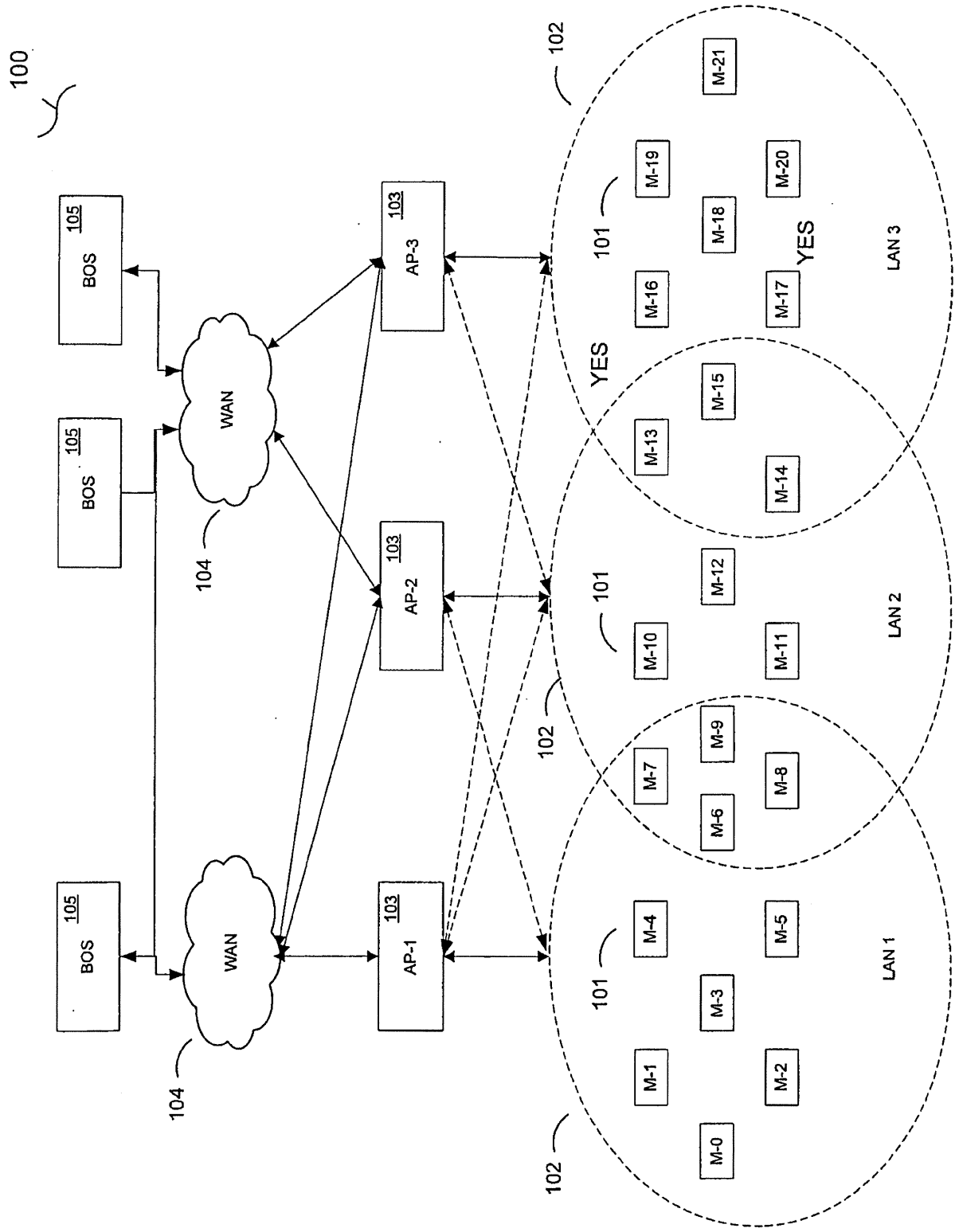

100
BOS
105
WAN
104
AP-1
AP-2
AP-3
103
101
102
YES
LAN 1
LAN 2
LAN 3
M-0
M-1
M-2
M-3
M-4
M-5
M-6
M-7
M-8
M-9
M-10
M-11
M-12
M-13
M-14
M-15
M-16
M-17
M-18
M-19
M-20
M-21

Figure 1

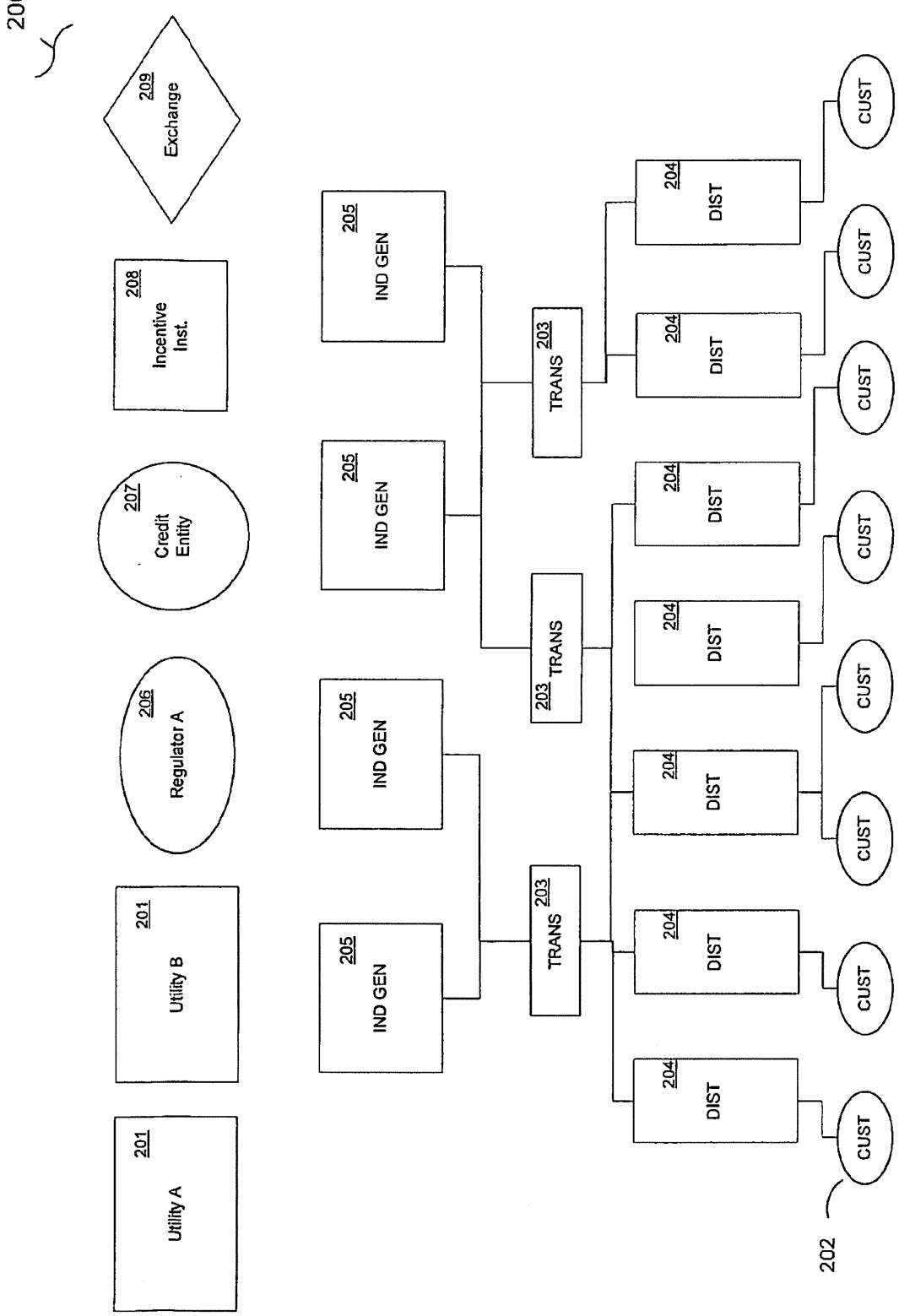

200
201 Utility A
201 Utility B
206 Regulator A
207 Credit Entity
208 Incentive Inst.
209 Exchange
205 IND GEN
205 IND GEN
205 IND GEN
203 TRANS
203 TRANS
203 TRANS
204 DIST
204 DIST
204 DIST
204 DIST
204 DIST
204 DIST
204 DIST
CUST
CUST
CUST
CUST
CUST
CUST
CUST
202

Figure 2

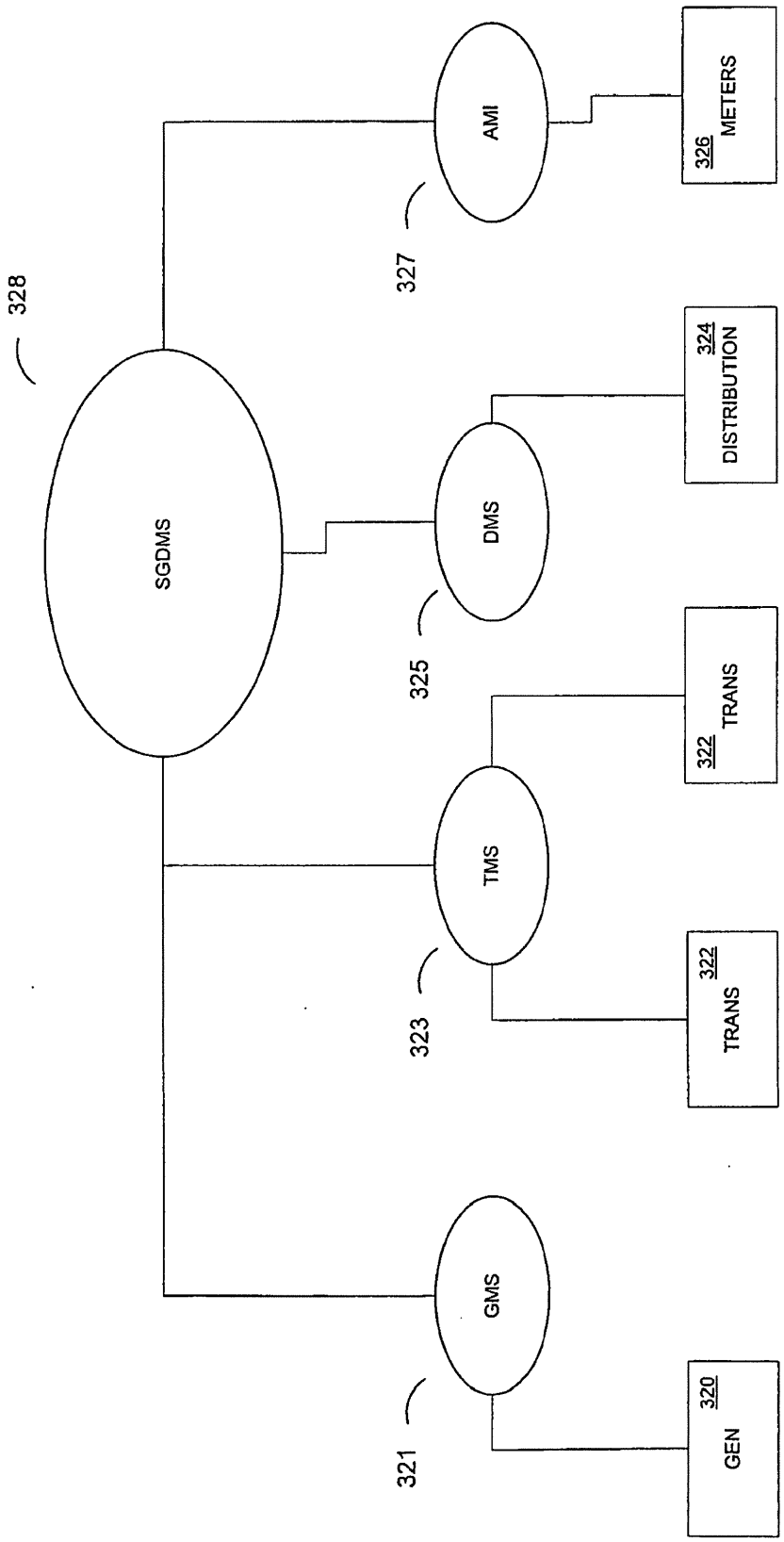

328
SGDMS
AMI
327
326 METERS
DMS
325
324 DISTRIBUTION
TMS
323
322 TRANS
322 TRANS
GMS
321
320 GEN

Figure 3-A

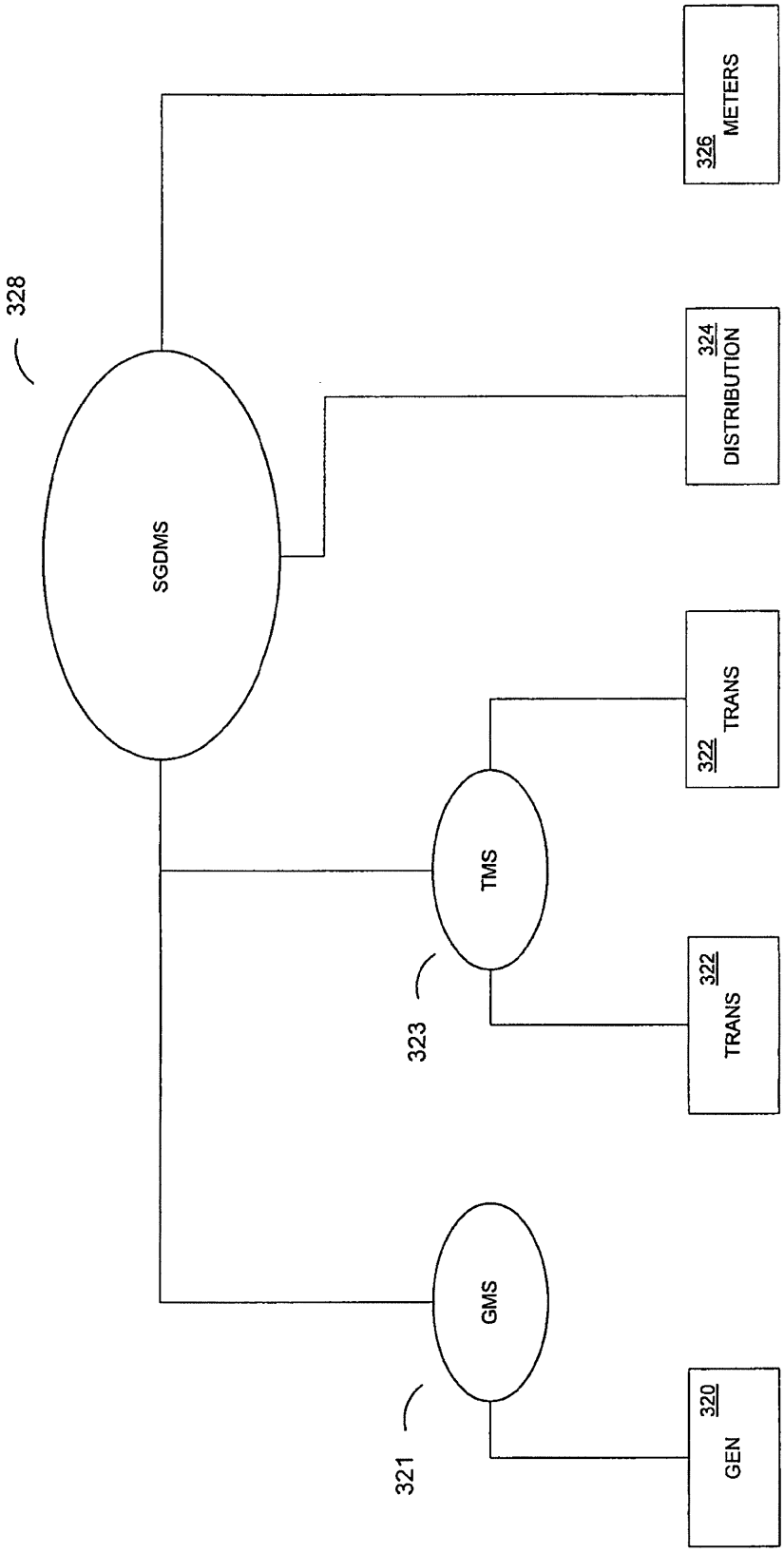

328
SGDMS
326 METERS
324 DISTRIBUTION
322 TRANS
TMS
323
322 TRANS
GMS
321
320 GEN

Figure 3-B

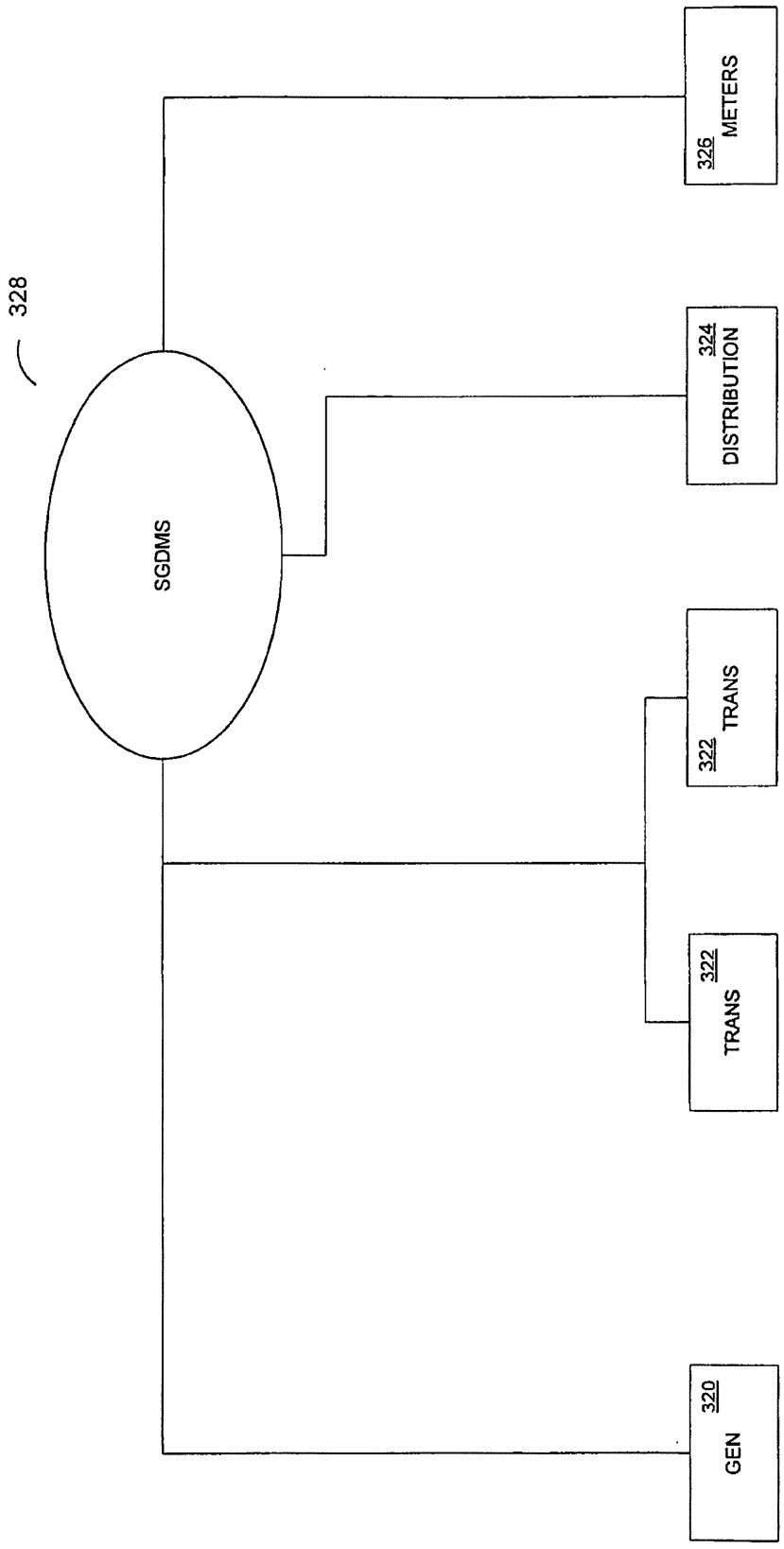

328
SGDMS
326 METERS
324 DISTRIBUTION
322 TRANS
322 TRANS
320 GEN

Figure 3-C

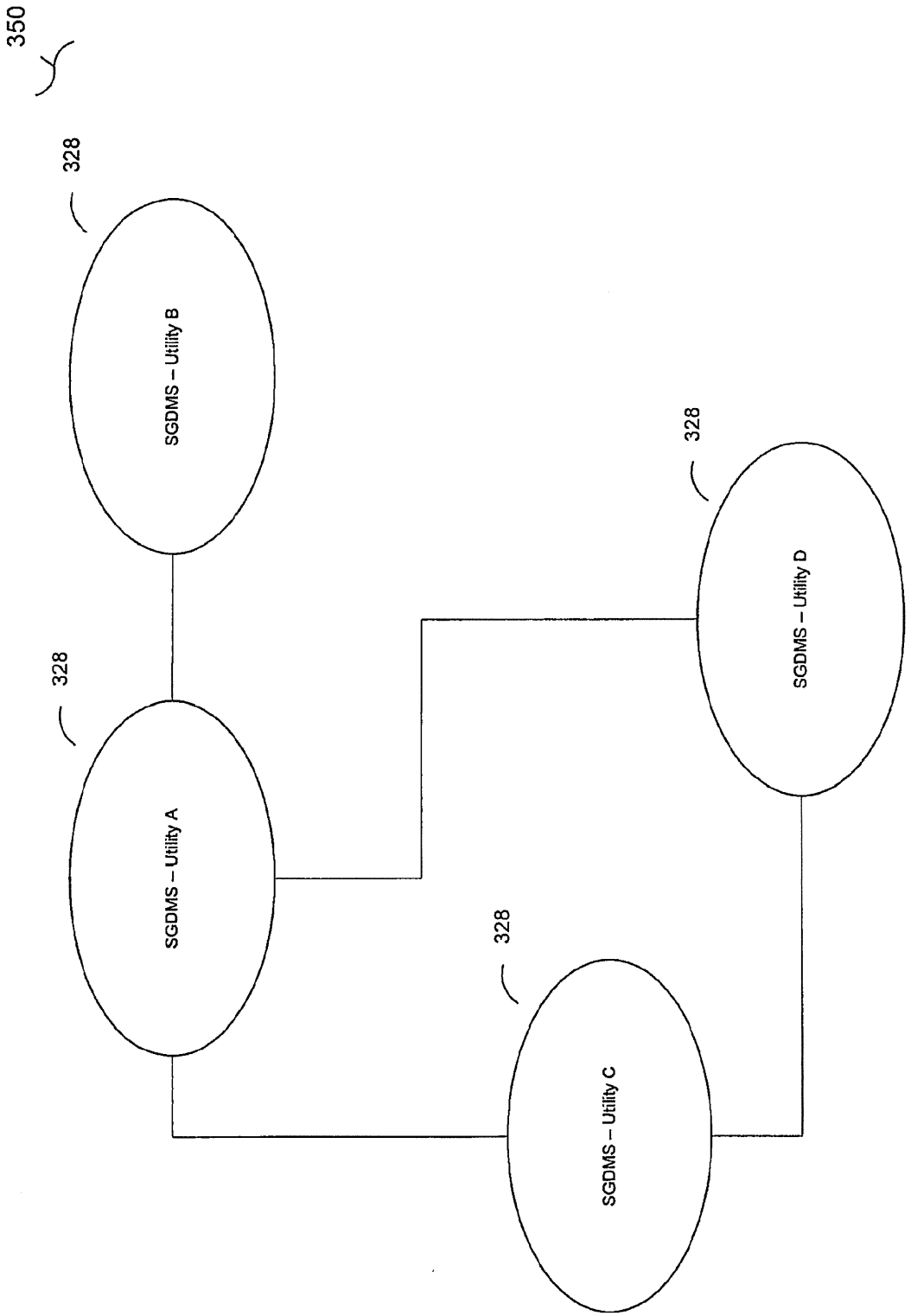

350
328
SGDMS – Utility B
328
SGDMS – Utility D
328
SGDMS – Utility A
328
SGDMS – Utility C

Figure 3-D

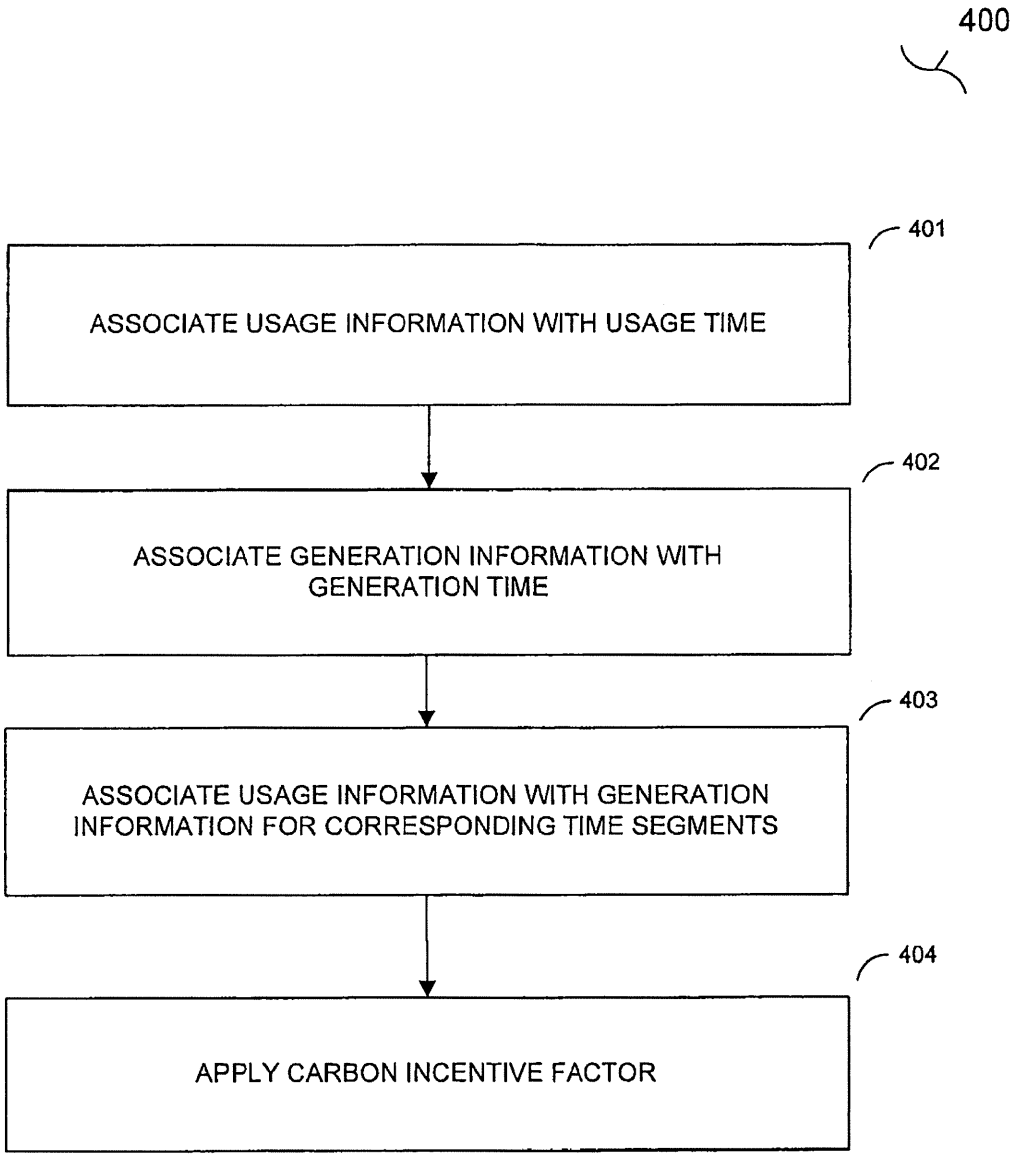

400
401
ASSOCIATE USAGE INFORMATION WITH USAGE TIME
402
ASSOCIATE GENERATION INFORMATION WITH GENERATION TIME
403
ASSOCIATE USAGE INFORMATION WITH GENERATION INFORMATION FOR CORRESPONDING TIME SEGMENTS
404
APPLY CARBON INCENTIVE FACTOR

Figure 4

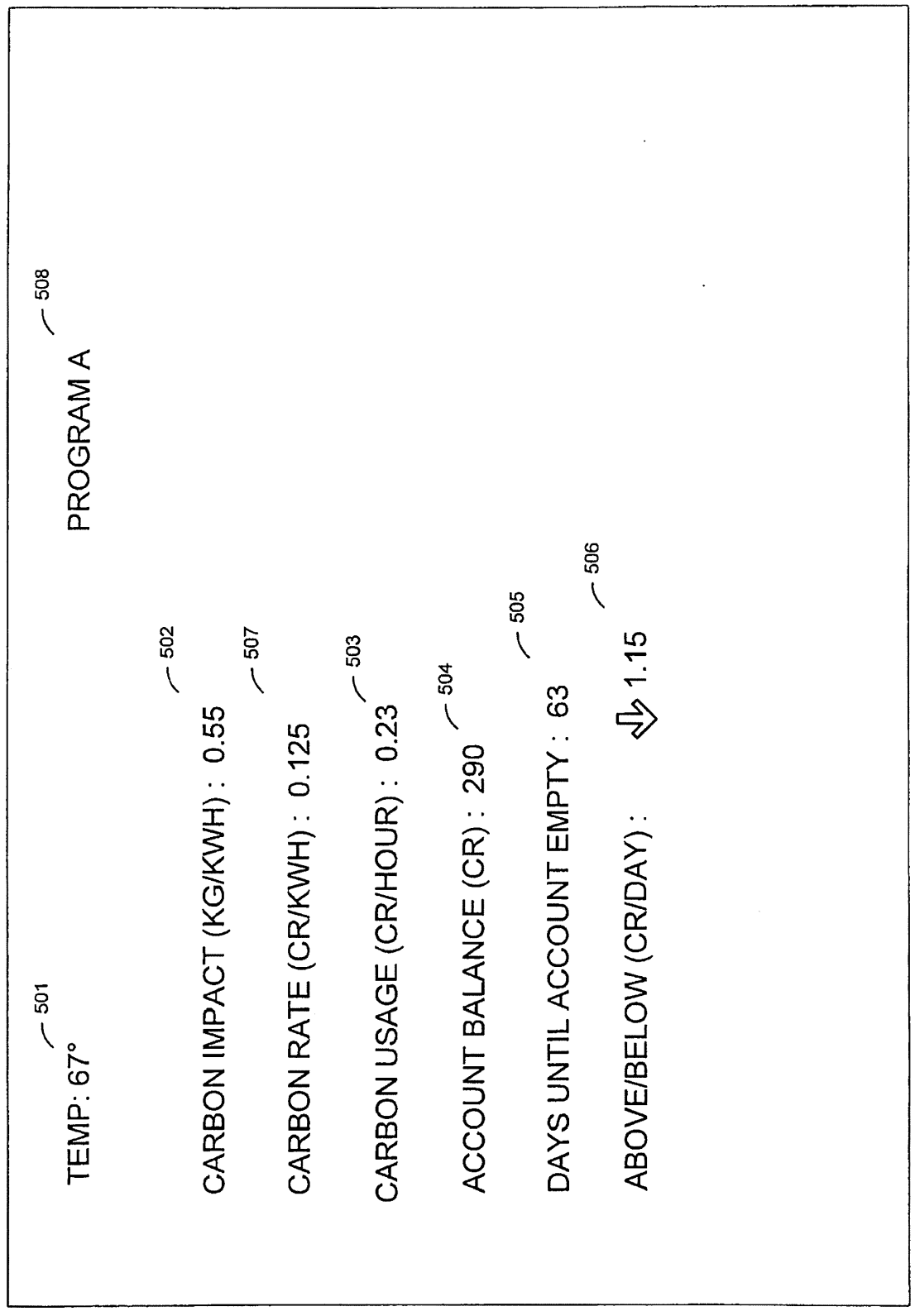

510
PROGRAM A
508
TEMP: 67°
501
CARBON IMPACT (KG/KWH) : 0.55
502
CARBON RATE (CR/KWH) : 0.125
507
CARBON USAGE (CR/HOUR) : 0.23
503
ACCOUNT BALANCE (CR) : 290
504
DAYS UNTIL ACCOUNT EMPTY : 63
505
ABOVE/BELOW (CR/DAY) :
506
1.15

Figure 5-A

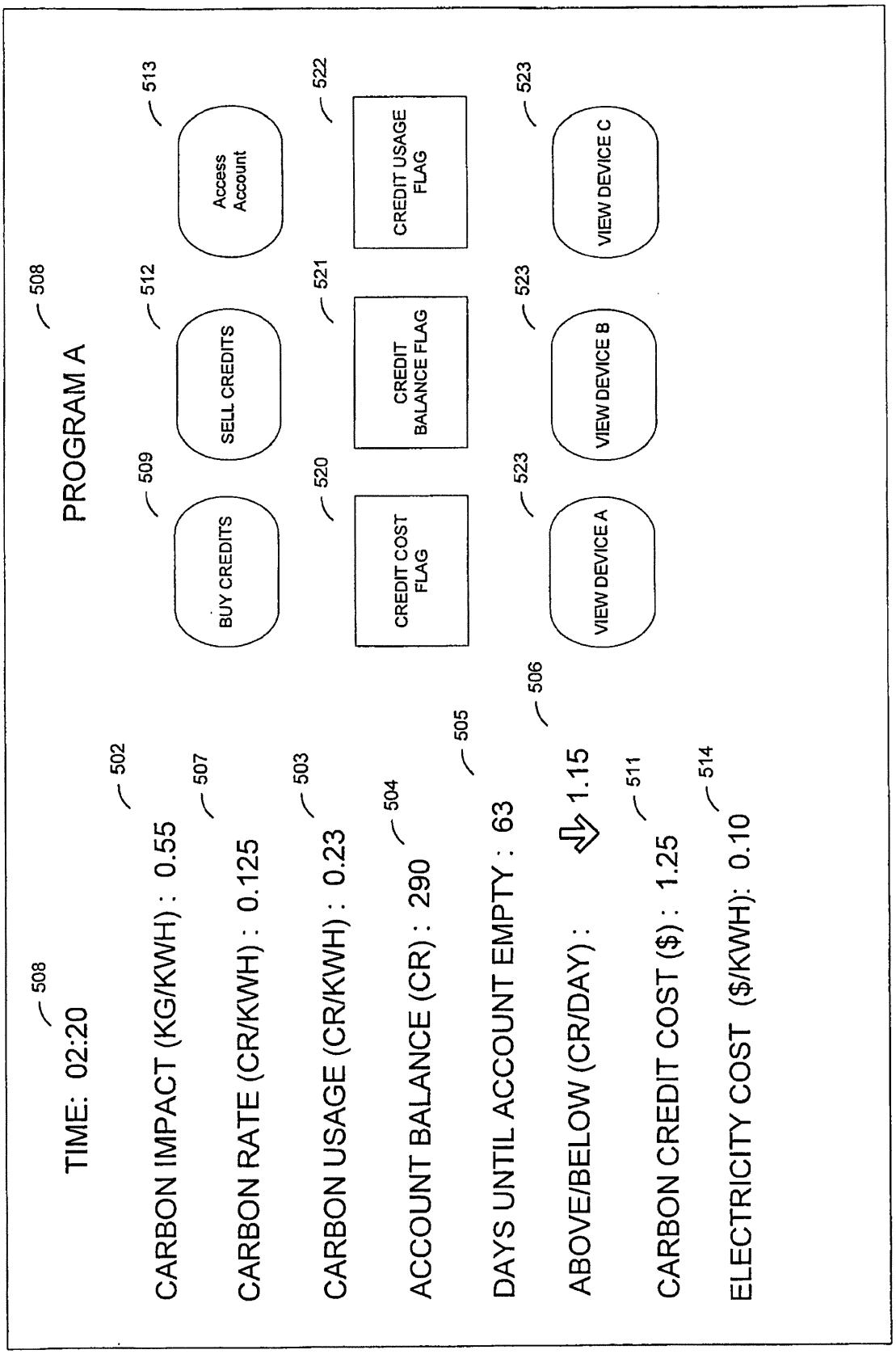

540
PROGRAM A
508
TIME: 02:20
508
CARBON IMPACT (KG/KWH) : 0.55
502
CARBON RATE (CR/KWH) : 0.125
507
CARBON USAGE (CR/KWH) : 0.23
503
ACCOUNT BALANCE (CR) : 290
504
DAYS UNTIL ACCOUNT EMPTY : 63
505
ABOVE/BELOW (CR/DAY) : 1.15
506
CARBON CREDIT COST ($) : 1.25
511
ELECTRICITY COST ($/KWH): 0.10
514
BUY CREDITS
509
SELL CREDITS
512
Access Account
513
CREDIT COST FLAG
520
CREDIT BALANCE FLAG
521
CREDIT USAGE FLAG
522
VIEW DEVICE A
523
VIEW DEVICE B
523
VIEW DEVICE C
523

Figure 5-B

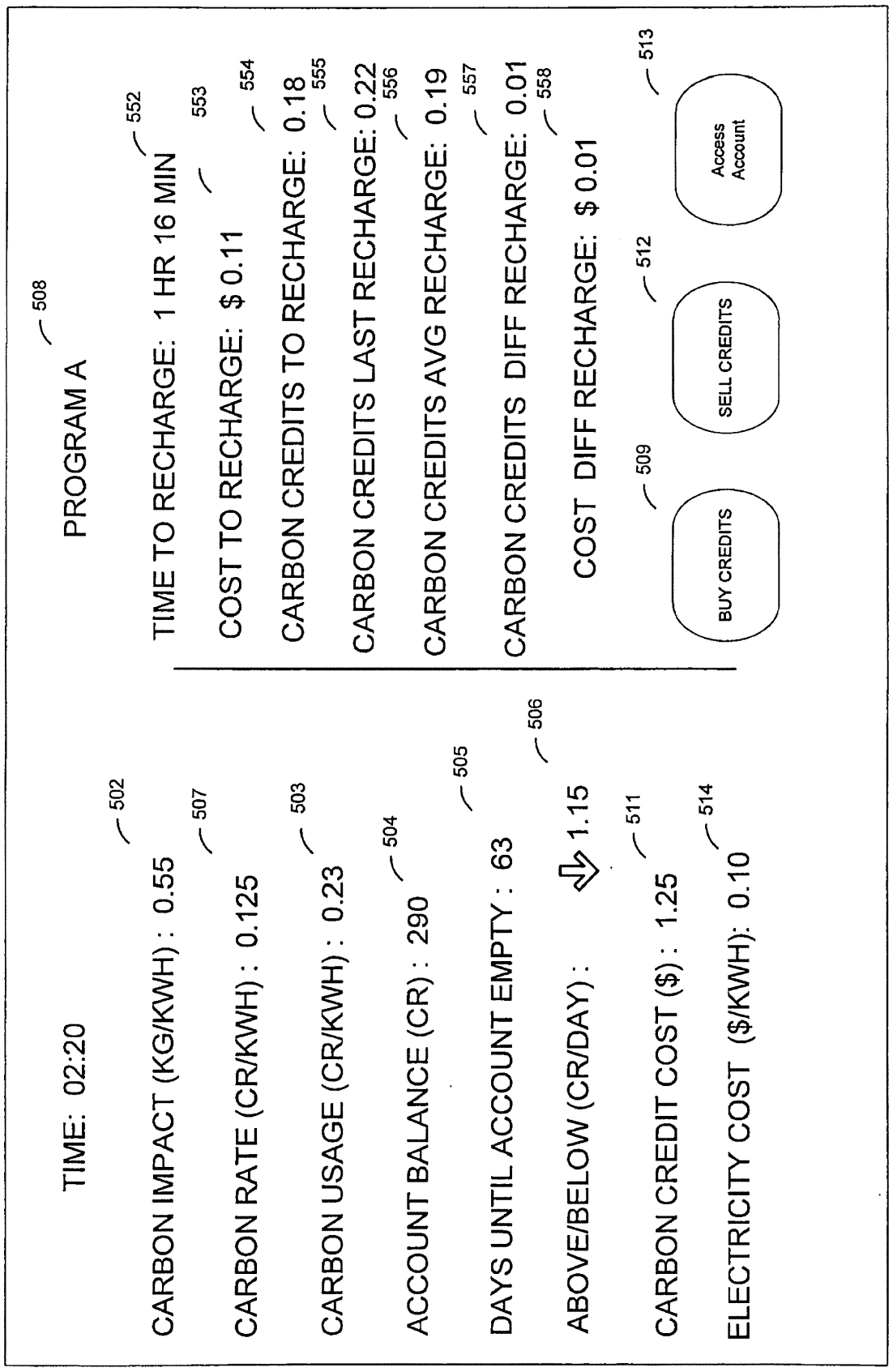

550
TIME: 02:20
502
CARBON IMPACT (KG/KWH) : 0.55
507
CARBON RATE (CR/KWH) : 0.125
503
CARBON USAGE (CR/KWH) : 0.23
504
ACCOUNT BALANCE (CR) : 290
505
DAYS UNTIL ACCOUNT EMPTY : 63
506
ABOVE/BELOW (CR/DAY) : 1.15
511
CARBON CREDIT COST ($) : 1.25
514
ELECTRICITY COST ($/KWH): 0.10
PROGRAM A
508
TIME TO RECHARGE: 1 HR 16 MIN
552
COST TO RECHARGE: $ 0.11
553
CARBON CREDITS TO RECHARGE: 0.18
554
CARBON CREDITS LAST RECHARGE: 0.22
555
CARBON CREDITS AVG RECHARGE: 0.19
556
CARBON CREDITS DIFF RECHARGE: 0.01
557
COST DIFF RECHARGE: $ 0.01
558
BUY CREDITS
509
SELL CREDITS
512
Access Account
513

Figure 5-C

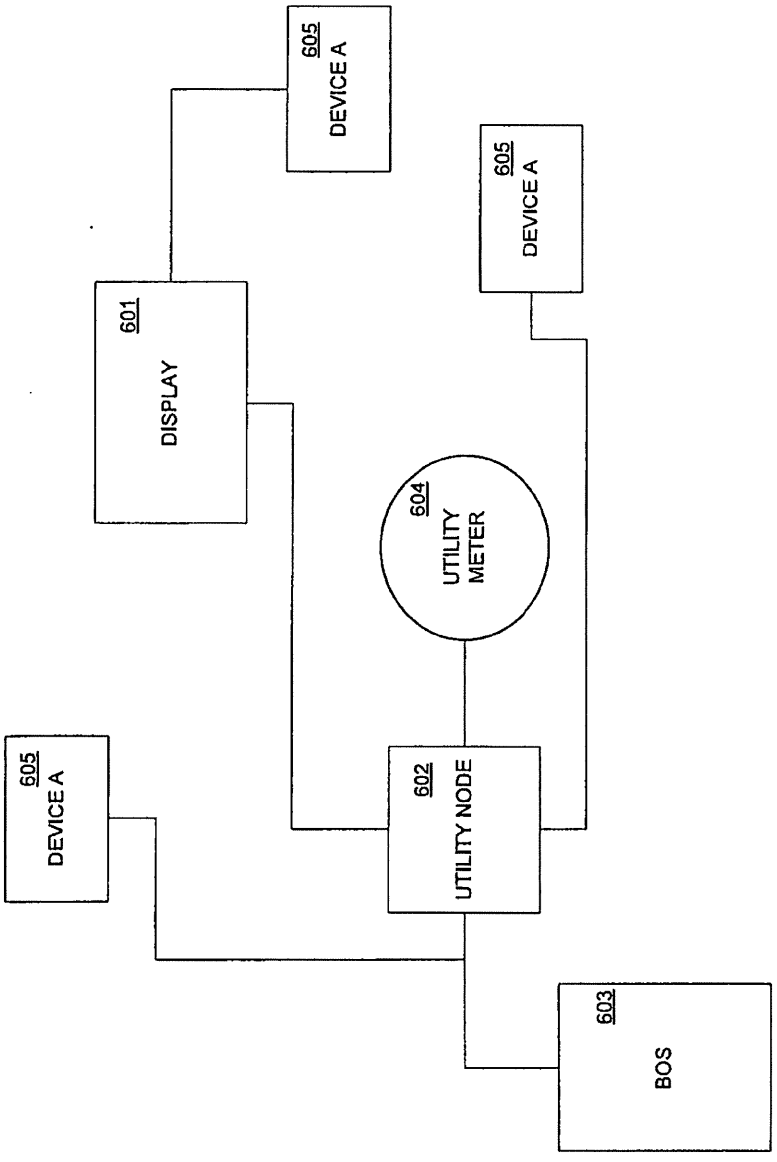

605
DEVICE A
605
DEVICE A
601
DISPLAY
604
UTILITY METER
605
DEVICE A
602
UTILITY NODE
603
BOS

Figure 6

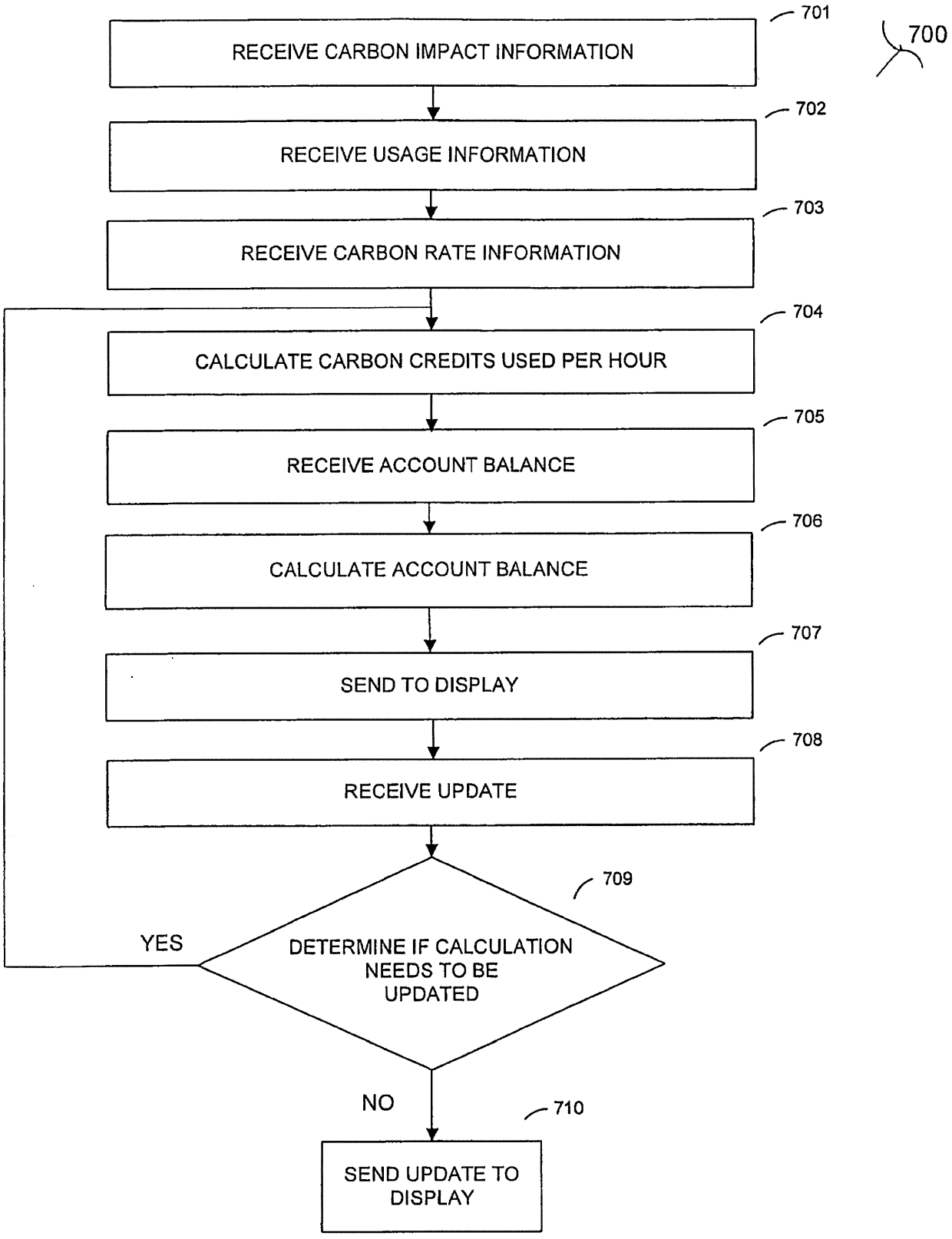

700
701
RECEIVE CARBON IMPACT INFORMATION
702
RECEIVE USAGE INFORMATION
703
RECEIVE CARBON RATE INFORMATION
704
CALCULATE CARBON CREDITS USED PER HOUR
705
RECEIVE ACCOUNT BALANCE
706
CALCULATE ACCOUNT BALANCE
707
SEND TO DISPLAY
708
RECEIVE UPDATE
709
DETERMINE IF CALCULATION NEEDS TO BE UPDATED
YES
NO
710
SEND UPDATE TO DISPLAY

Figure 7