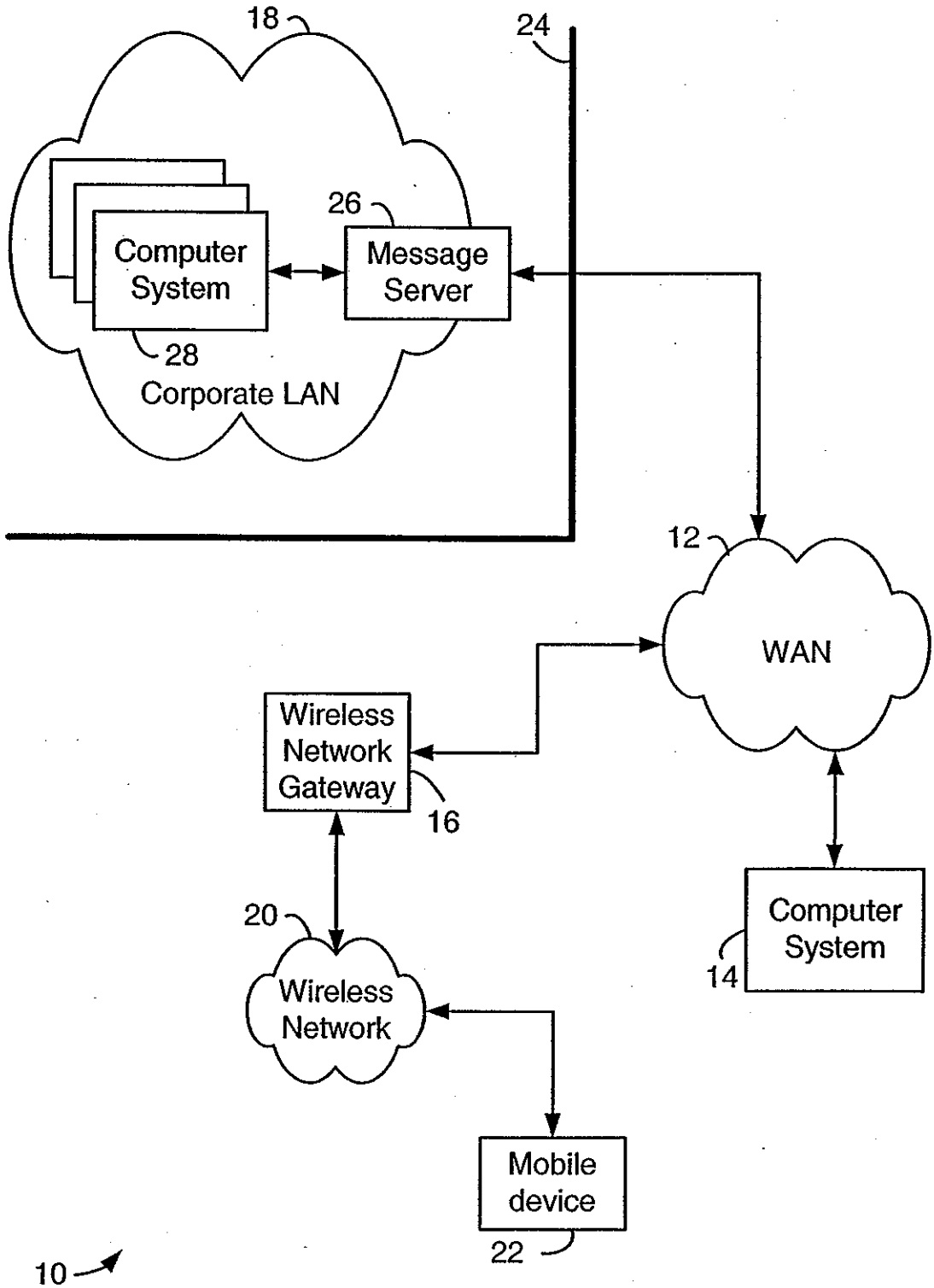

18
24
26
Computer System
Message Server
28
Corporate LAN
12
WAN
Wireless Network Gateway
16
20
Wireless Network
Computer System
14
Mobile device
22
10

FIG. 1

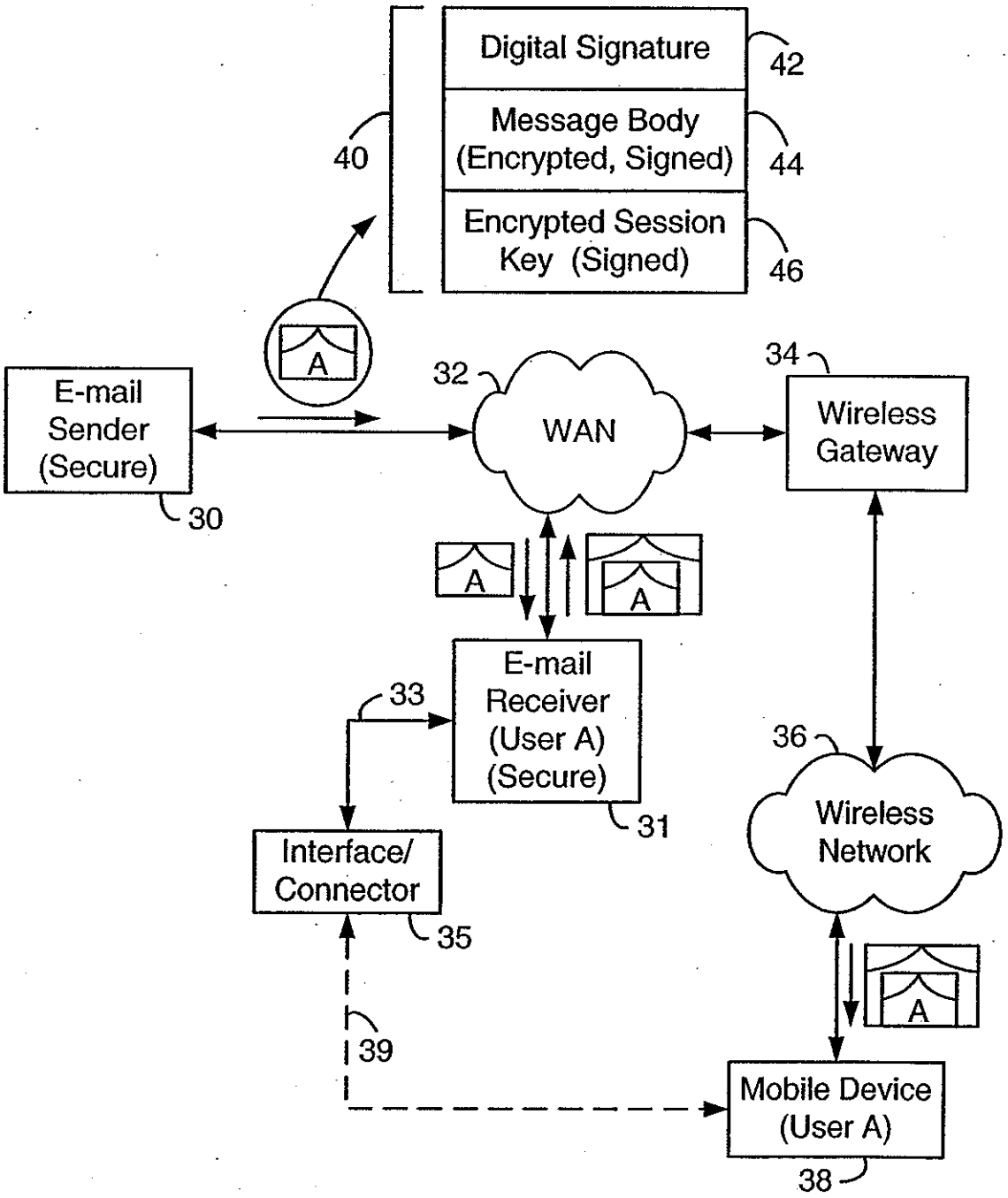

Digital Signature
42
Message Body
(Encrypted, Signed)
44
Encrypted Session
Key (Signed)
46
40
A
E-mail
Sender
(Secure)
30
32
WAN
34
Wireless
Gateway
A
A
E-mail
Receiver
(User A)
(Secure)
31
33
36
Wireless
Network
Interface/
Connector
35
A
39
Mobile Device
(User A)
38

FIG. 2

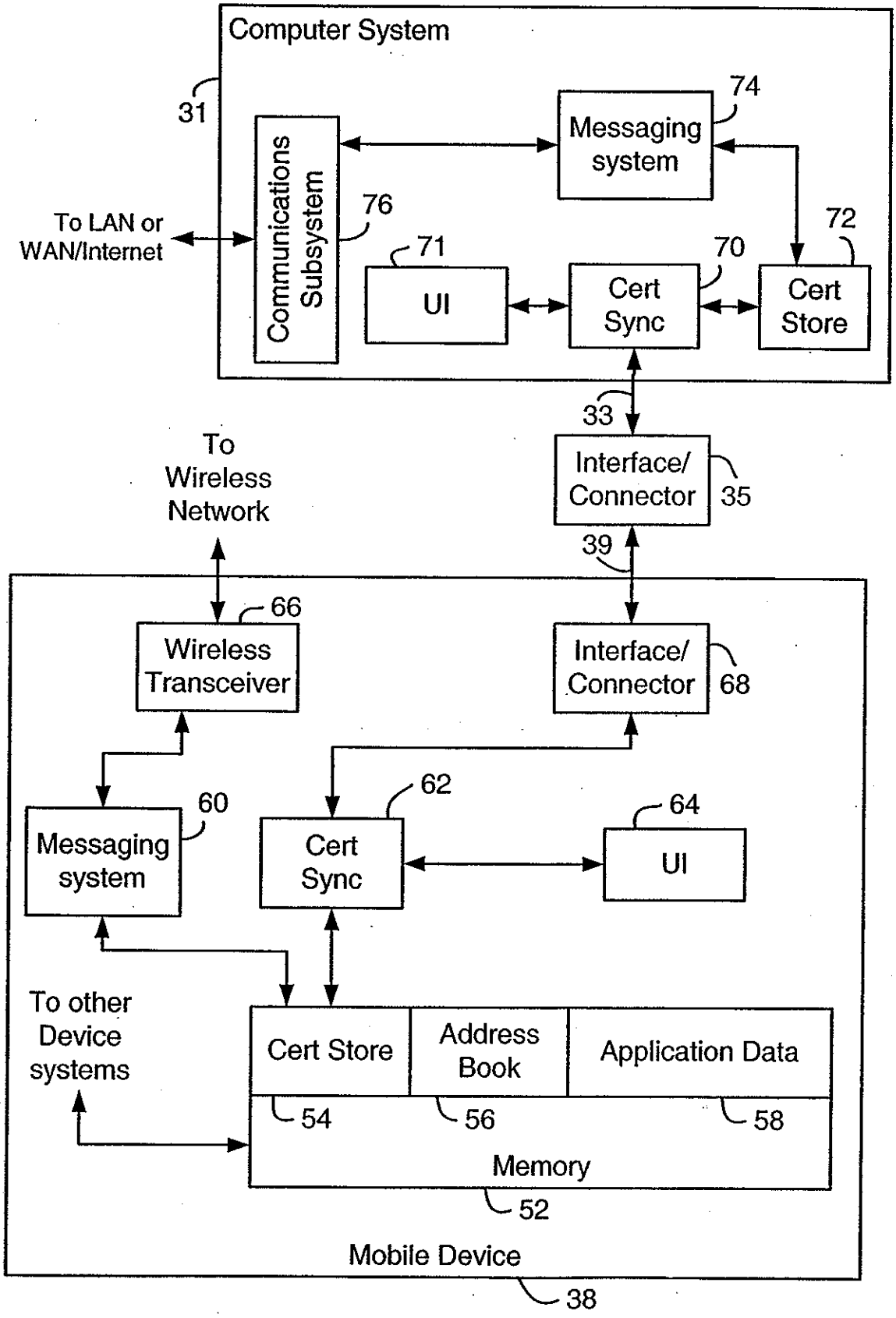

Computer System
31
Communications Subsystem
76
Messaging system
74
To LAN or WAN/Internet
UI
71
Cert Sync
70
Cert Store
72
33
To Wireless Network
Interface/ Connector
35
39
66
Wireless Transceiver
Interface/ Connector
68
60
Messaging system
62
Cert Sync
64
UI
To other Device systems
Cert Store
Address Book
Application Data
54
56
58
Memory
52
Mobile Device
38

FIG. 3

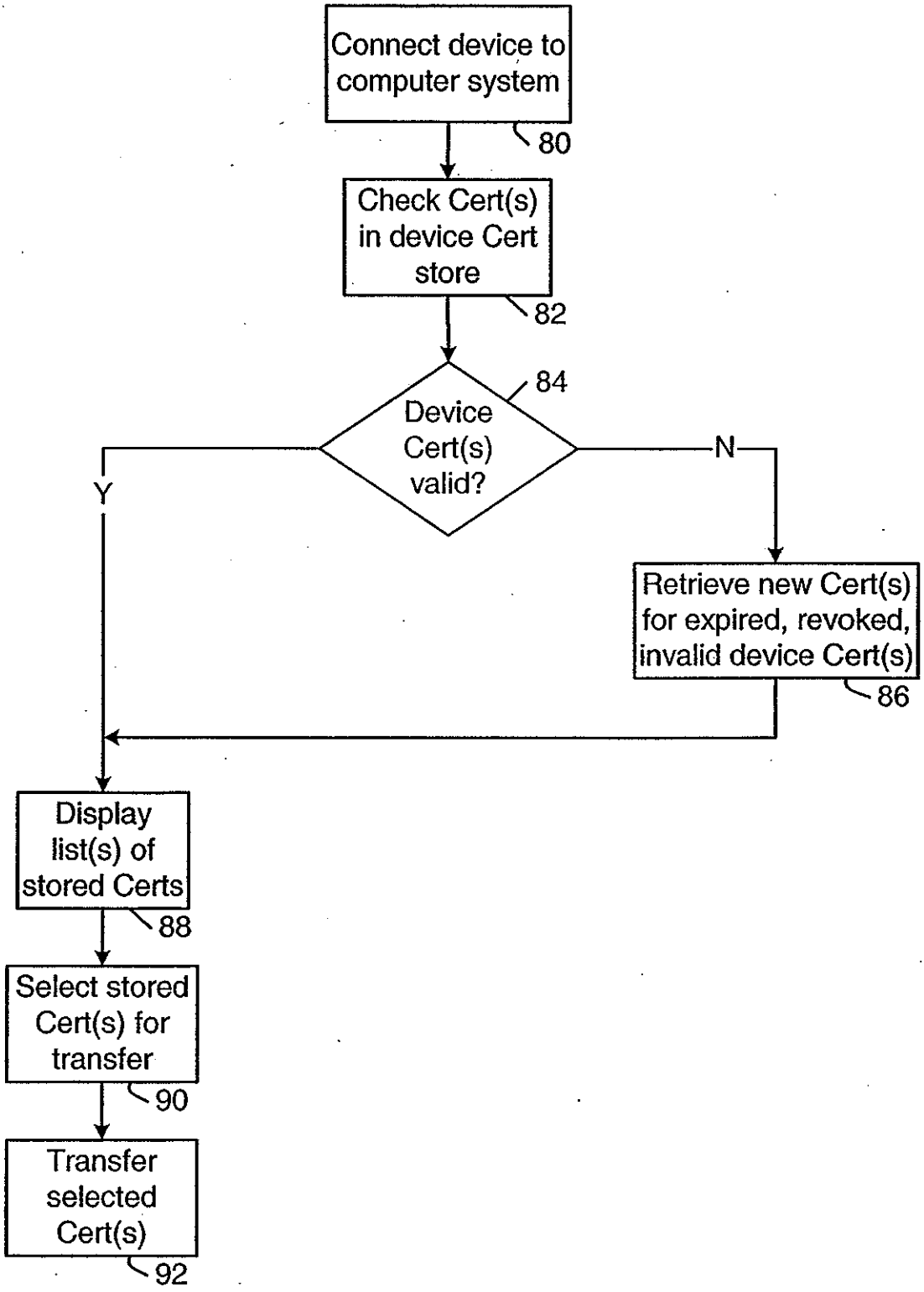

Connect device to computer system
80
Check Cert(s) in device Cert store
82
84
Device Cert(s) valid?
Y
N
Retrieve new Cert(s) for expired, revoked, invalid device Cert(s)
86
Display list(s) of stored Certs
88
Select stored Cert(s) for transfer
90
Transfer selected Cert(s)
92

FIG. 4

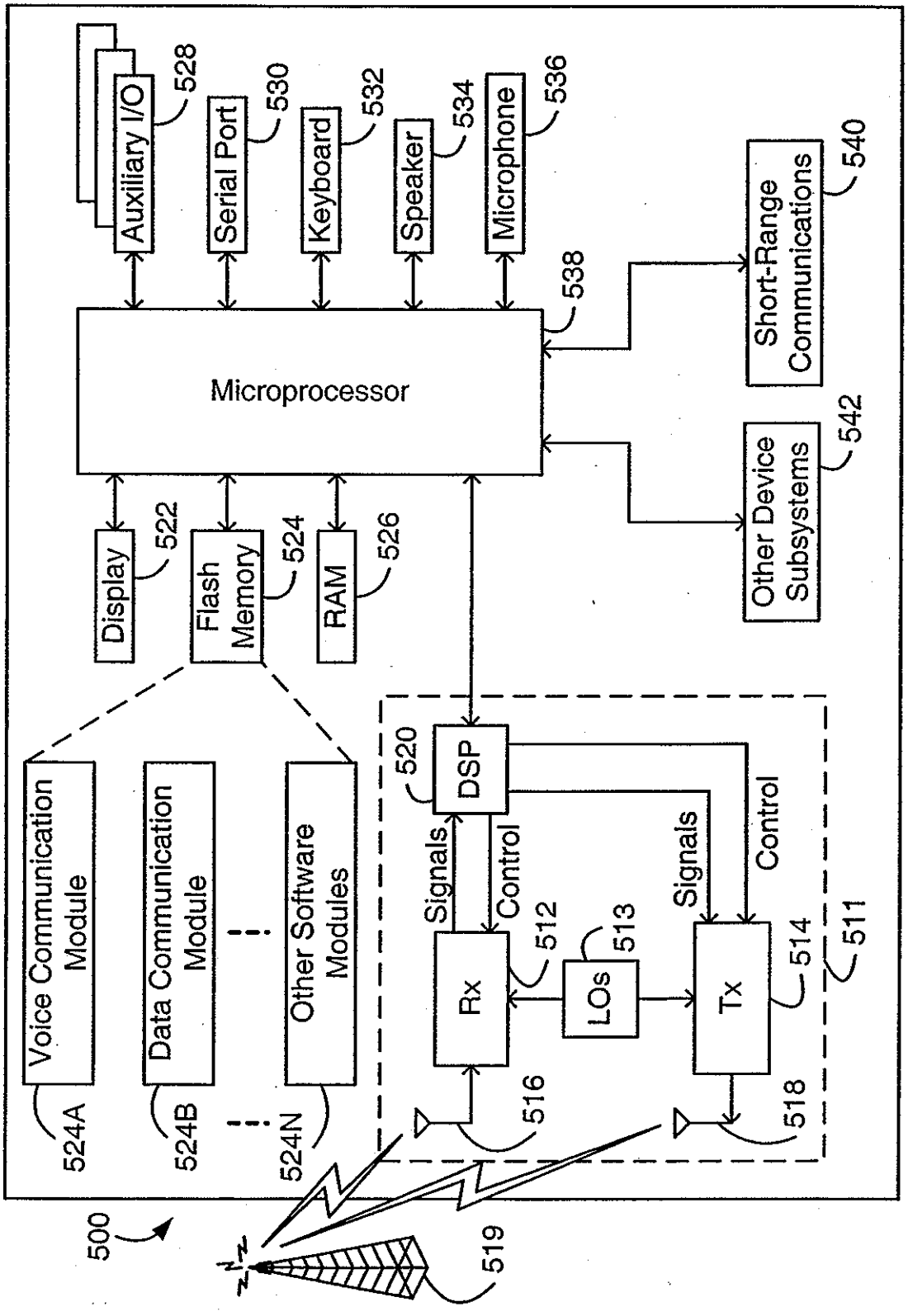

500
519
Auxiliary I/O
528
Serial Port
530
Keyboard
532
Speaker
534
Microphone
536
Microprocessor
538
Short-Range Communications
540
Other Device Subsystems
542
Display
522
Flash Memory
524
RAM
526
Voice Communication Module
524A
Data Communication Module
524B
Other Software Modules
524N
DSP
520
Signals
Control
Rx
512
LOs
513
Signals
Control
Tx
514
511
516
518

FIG. 5

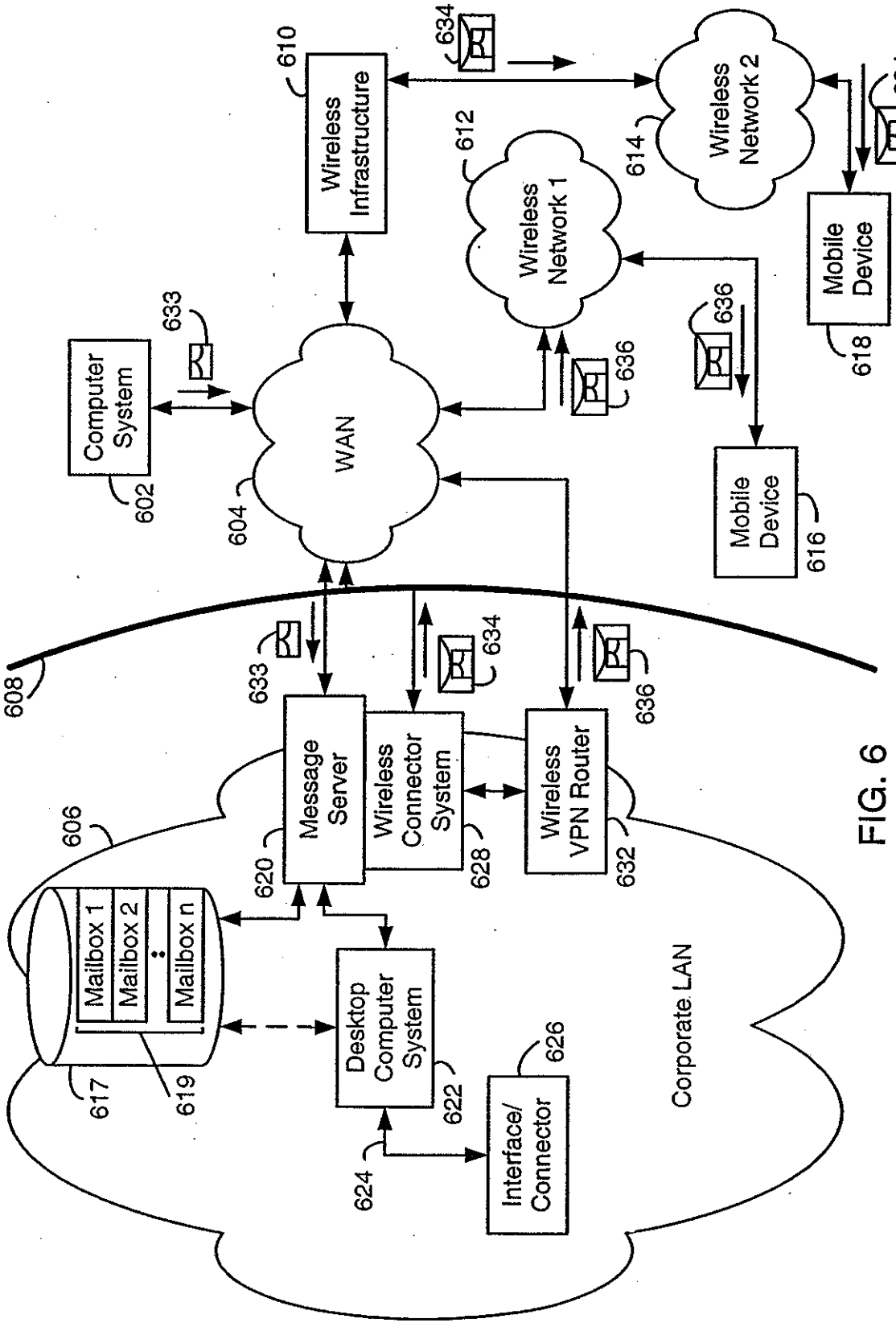

Wireless Infrastructure
610
634
Wireless Network 2
614
634
612
Wireless Network 1
Mobile Device
618
633
Computer System
602
WAN
604
636
636
Mobile Device
616
608
633
634
636
Message Server
620
Wireless Connector System
628
Wireless VPN Router
632
606
Mailbox 1
Mailbox 2
Mailbox n
617
619
Desktop Computer System
622
624
Interface/ Connector
626
Corporate LAN

FIG. 6

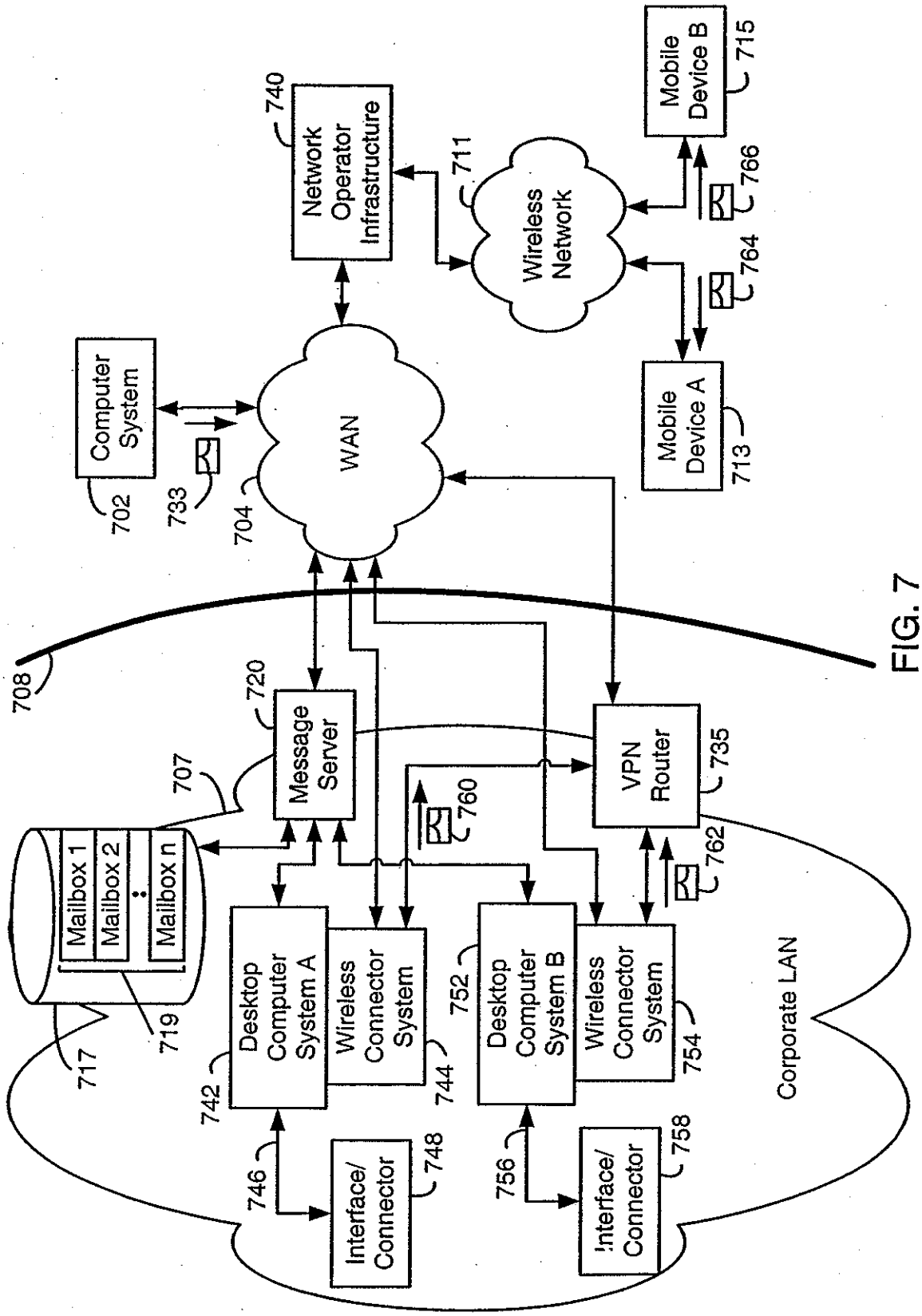

Mobile Device B
715
740
Network Operator Infrastructure
711
Wireless Network
766
764
Computer System
702
733
WAN
704
Mobile Device A
713
708
720
Message Server
707
VPN Router
735
760
762
Mailbox 1
Mailbox 2
Mailbox n
719
717
Desktop Computer System A
742
Wireless Connector System
744
752
Desktop Computer System B
Wireless Connector System
754
Corporate LAN
746
Interface/ Connector
748
756
Interface/ Connector
758

FIG. 7

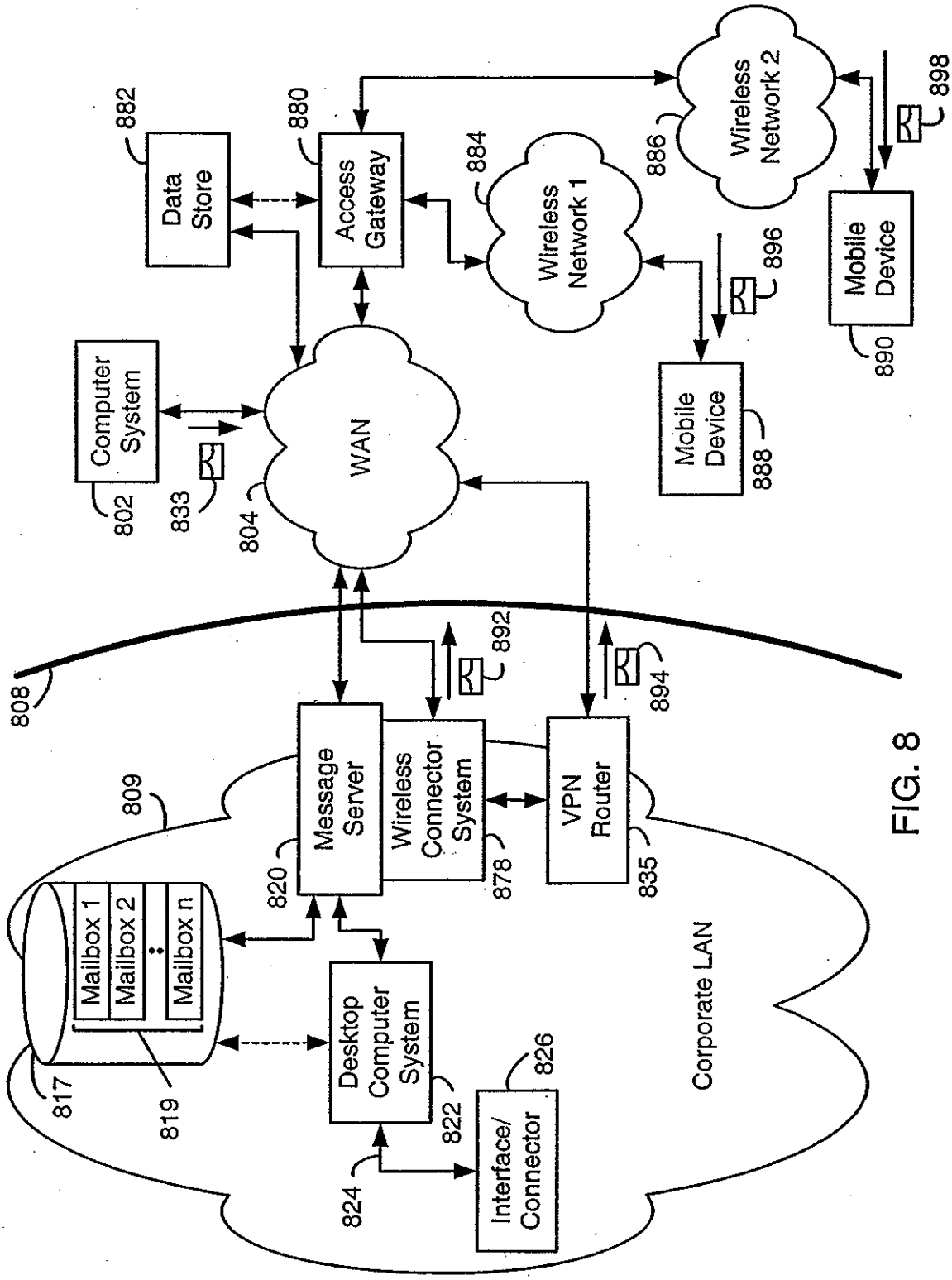

Data Store
882
Access Gateway
880
Wireless Network 1
884
Wireless Network 2
886
898
Mobile Device
890
Computer System
802
833
WAN
804
Mobile Device
888
896
808
892
894
Message Server
820
Wireless Connector System
878
VPN Router
835
809
Mailbox 1
Mailbox 2
Mailbox n
817
819
Desktop Computer System
822
826
Interface/ Connector
824
Corporate LAN

FIG. 8