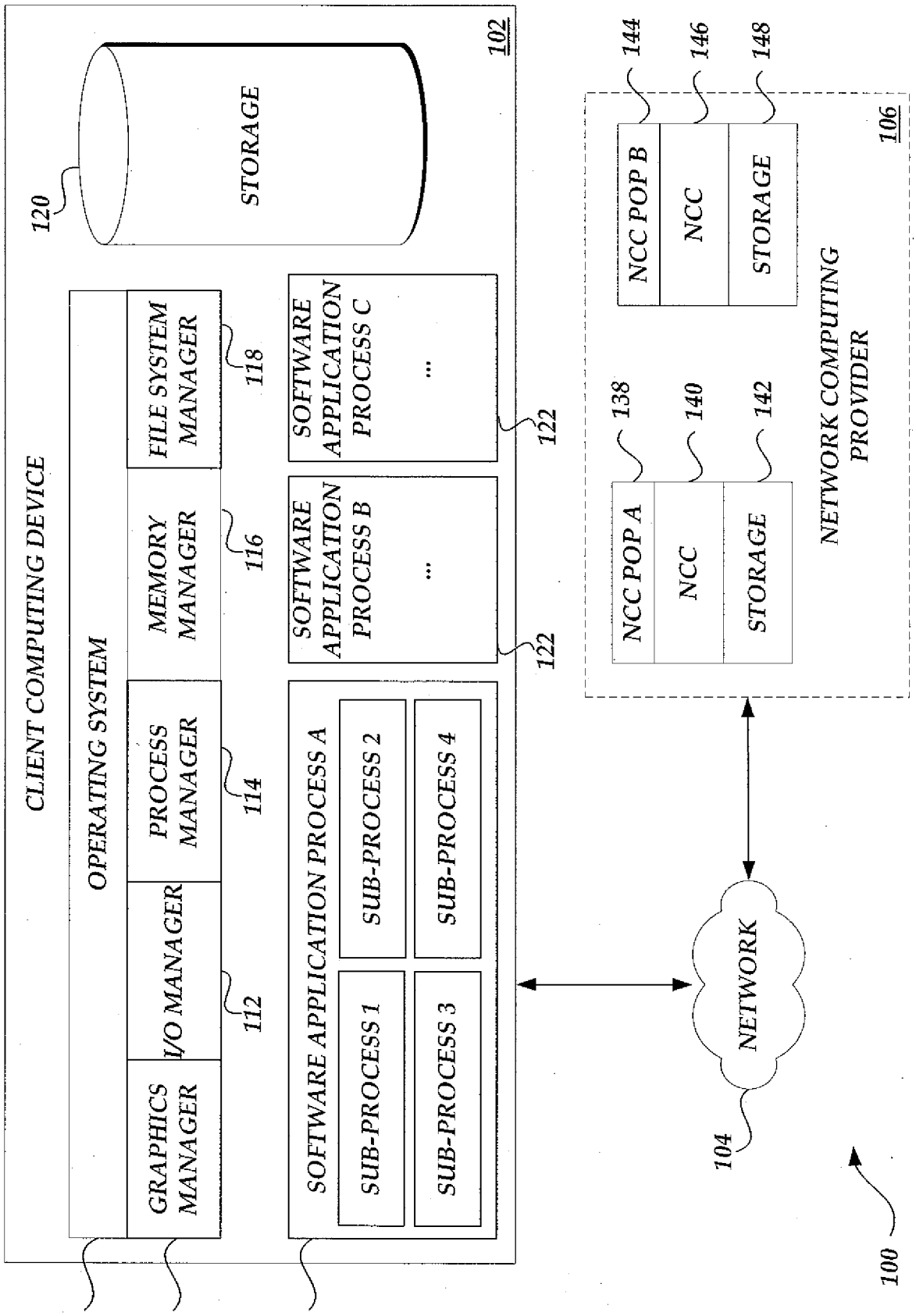
CLIENT COMPUTING DEVICE
102
OPERATING SYSTEM
GRAPHICS MANAGER
I/O MANAGER
PROCESS MANAGER
MEMORY MANAGER
FILE SYSTEM MANAGER
112
114
116
118
STORAGE
120
SOFTWARE APPLICATION PROCESS A
SUB-PROCESS 1
SUB-PROCESS 2
SUB-PROCESS 3
SUB-PROCESS 4
SOFTWARE APPLICATION PROCESS B
...
SOFTWARE APPLICATION PROCESS C
...
122
122
108
110
122
NETWORK
104
NETWORK COMPUTING PROVIDER
106
NCC POP A
NCC
STORAGE
138
140
142
NCC POP B
NCC
STORAGE
144
146
148
100

Fig. 1.

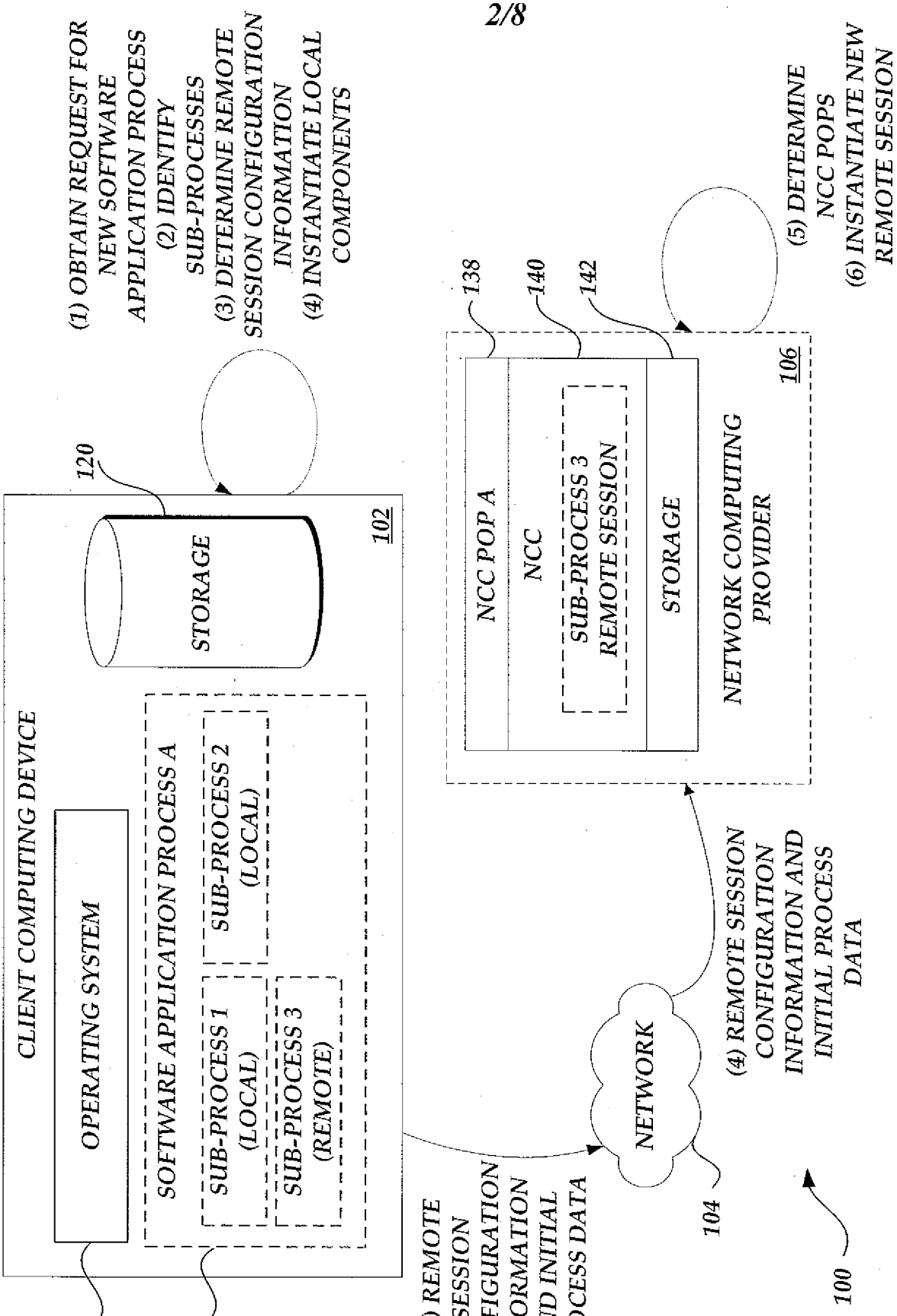
(1) OBTAIN REQUEST FOR NEW SOFTWARE APPLICATION PROCESS
(2) IDENTIFY SUB-PROCESSES
(3) DETERMINE REMOTE SESSION CONFIGURATION INFORMATION
(4) INSTANTIATE LOCAL COMPONENTS
120
STORAGE
102
CLIENT COMPUTING DEVICE
OPERATING SYSTEM
SOFTWARE APPLICATION PROCESS A
SUB-PROCESS 1 (LOCAL)
SUB-PROCESS 2 (LOCAL)
SUB-PROCESS 3 (REMOTE)
108
122
(4) REMOTE SESSION CONFIGURATION INFORMATION AND INITIAL PROCESS DATA
NETWORK
104
(4) REMOTE SESSION CONFIGURATION INFORMATION AND INITIAL PROCESS DATA
100
138
140
142
NCC POP A
NCC
SUB-PROCESS 3 REMOTE SESSION
STORAGE
NETWORK COMPUTING PROVIDER
106
(5) DETERMINE NCC POPS
(6) INSTANTIATE NEW REMOTE SESSION

Fig. 2.

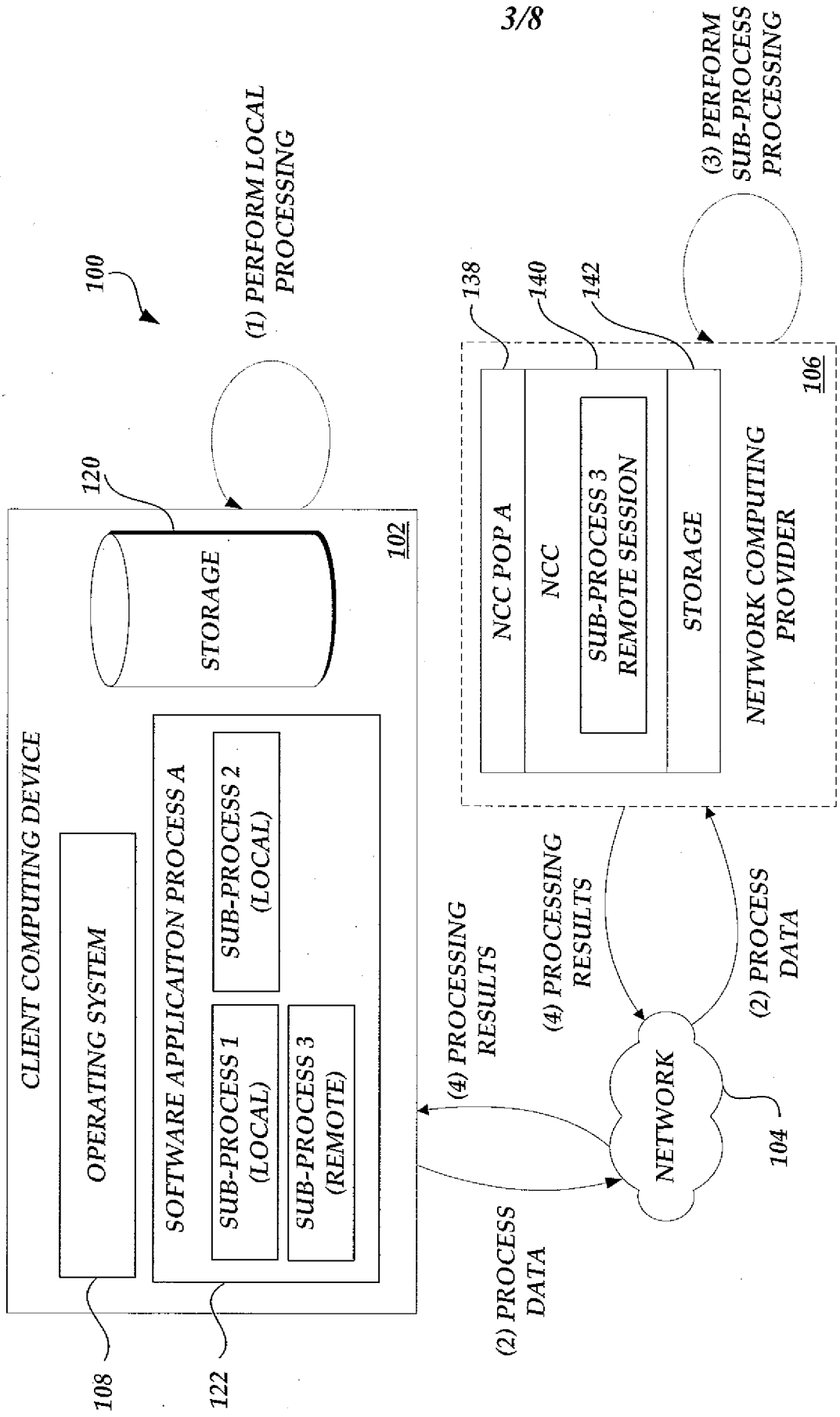
100
(1) PERFORM LOCAL PROCESSING
120
STORAGE
102
CLIENT COMPUTING DEVICE
OPERATING SYSTEM
SOFTWARE APPLICAITON PROCESS A
SUB-PROCESS 1 (LOCAL)
SUB-PROCESS 2 (LOCAL)
SUB-PROCESS 3 (REMOTE)
108
122
(4) PROCESSING RESULTS
(2) PROCESS DATA
NETWORK
104
(4) PROCESSING RESULTS
(2) PROCESS DATA
138
140
142
NCC POP A
NCC
SUB-PROCESS 3 REMOTE SESSION
STORAGE
NETWORK COMPUTING PROVIDER
106
(3) PERFORM SUB-PROCESS PROCESSING

Fig.3.

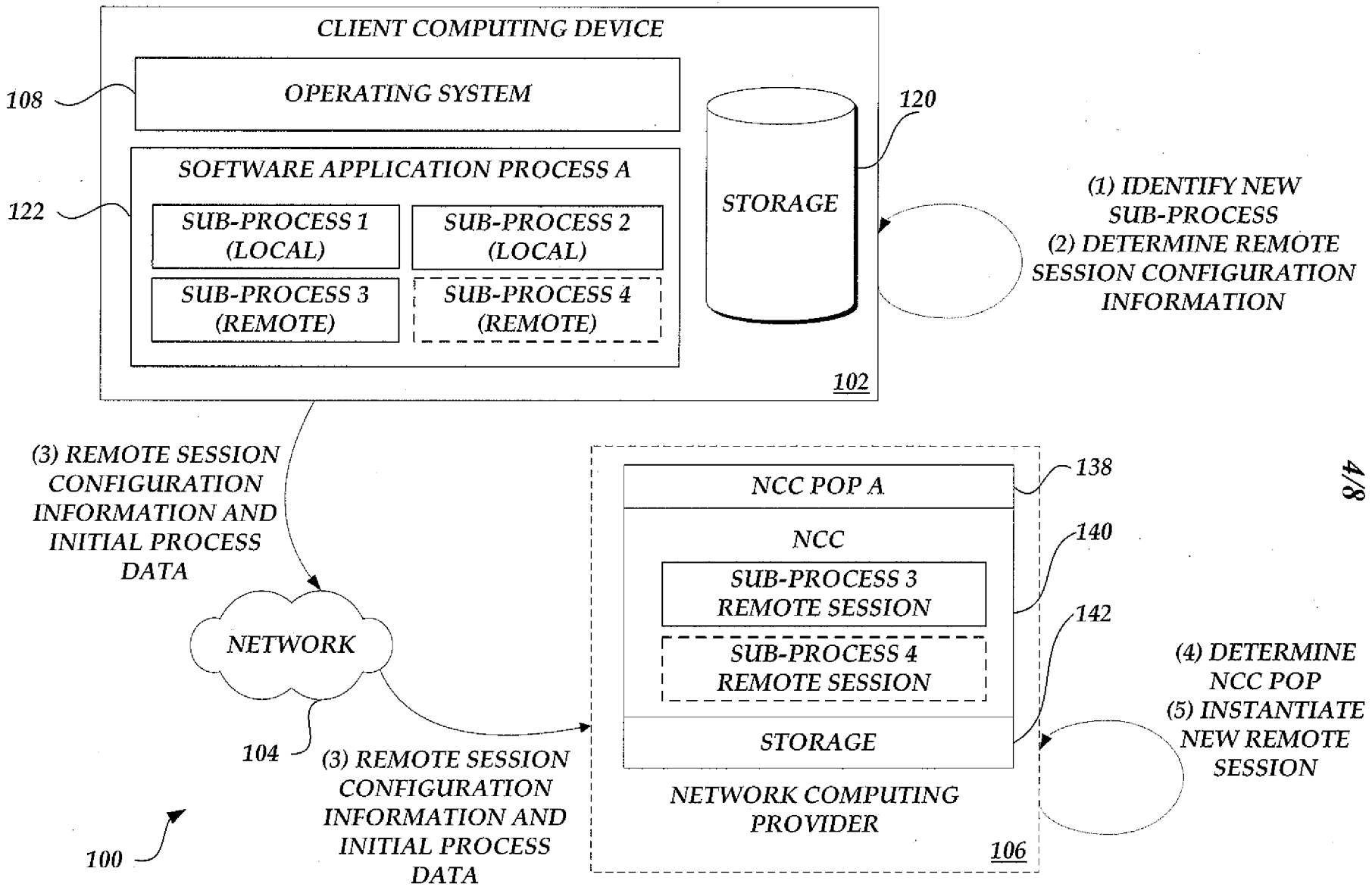
CLIENT COMPUTING DEVICE
108
OPERATING SYSTEM
SOFTWARE APPLICATION PROCESS A
122
SUB-PROCESS 1 (LOCAL)
SUB-PROCESS 2 (LOCAL)
SUB-PROCESS 3 (REMOTE)
SUB-PROCESS 4 (REMOTE)
STORAGE
120
102
(1) IDENTIFY NEW SUB-PROCESS
(2) DETERMINE REMOTE SESSION CONFIGURATION INFORMATION
(3) REMOTE SESSION CONFIGURATION INFORMATION AND INITIAL PROCESS DATA
NETWORK
104
100
(3) REMOTE SESSION CONFIGURATION INFORMATION AND INITIAL PROCESS DATA
NCC POP A
138
NCC
140
SUB-PROCESS 3 REMOTE SESSION
142
SUB-PROCESS 4 REMOTE SESSION
STORAGE
NETWORK COMPUTING PROVIDER
106
(4) DETERMINE NCC POP
(5) INSTANTIATE NEW REMOTE SESSION

Fig.4.

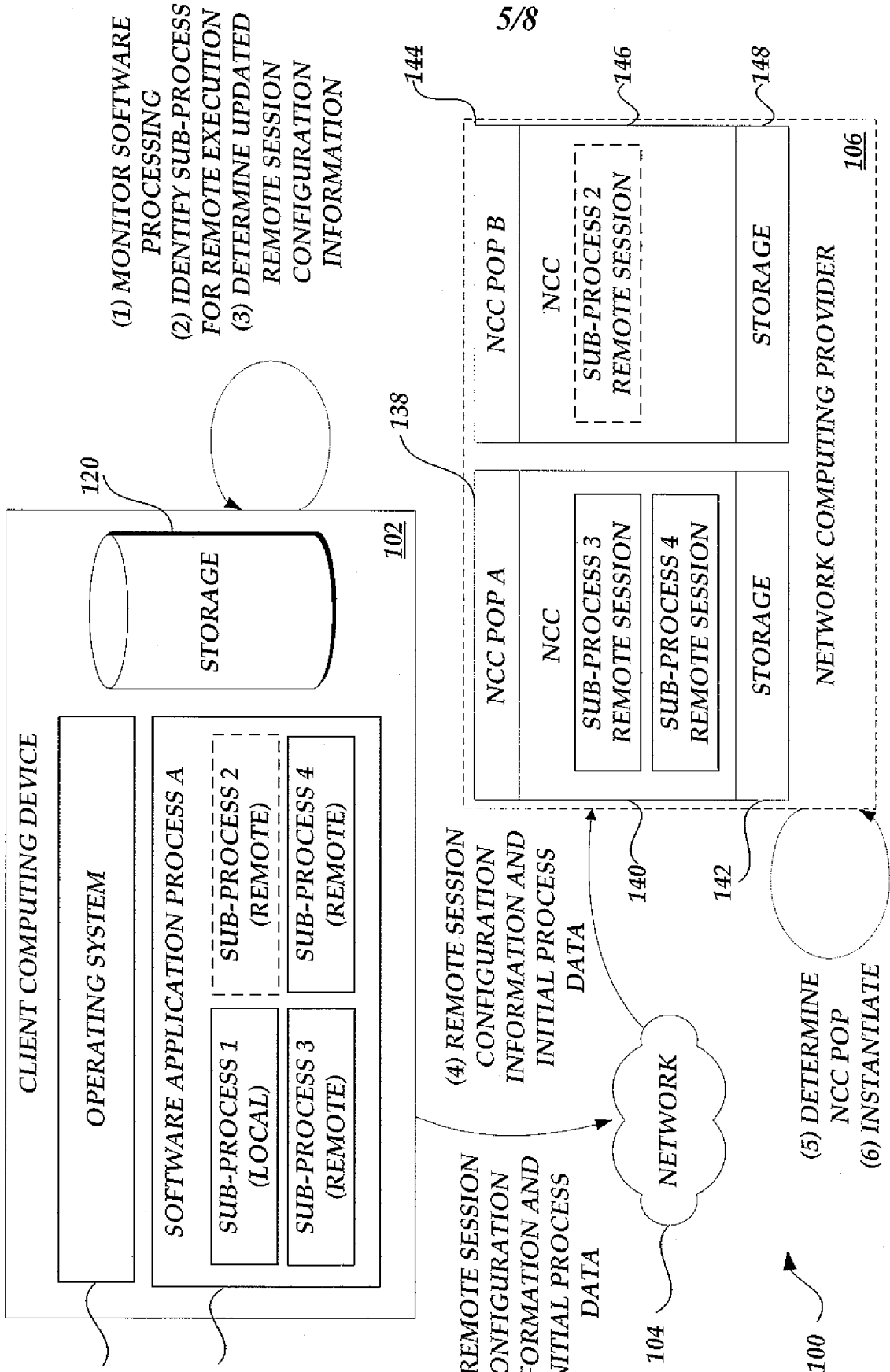
(1) MONITOR SOFTWARE PROCESSING
(2) IDENTIFY SUB-PROCESS FOR REMOTE EXECUTION
(3) DETERMINE UPDATED REMOTE SESSION CONFIGURATION INFORMATION
144
146
148
120
138
102
CLIENT COMPUTING DEVICE
OPERATING SYSTEM
SOFTWARE APPLICATION PROCESS A
SUB-PROCESS 1 (LOCAL)
SUB-PROCESS 2 (REMOTE)
SUB-PROCESS 3 (REMOTE)
SUB-PROCESS 4 (REMOTE)
STORAGE
NCC POP A
NCC POP B
NCC
SUB-PROCESS 3 REMOTE SESSION
SUB-PROCESS 4 REMOTE SESSION
SUB-PROCESS 2 REMOTE SESSION
STORAGE
STORAGE
NETWORK COMPUTING PROVIDER
106
(4) REMOTE SESSION CONFIGURATION INFORMATION AND INITIAL PROCESS DATA
(4) REMOTE SESSION CONFIGURATION INFORMATION AND INITIAL PROCESS DATA
140
142
NETWORK
(5) DETERMINE NCC POP
(6) INSTANTIATE NEW REMOTE SESSION
108
122
104
100

Fig. 5.

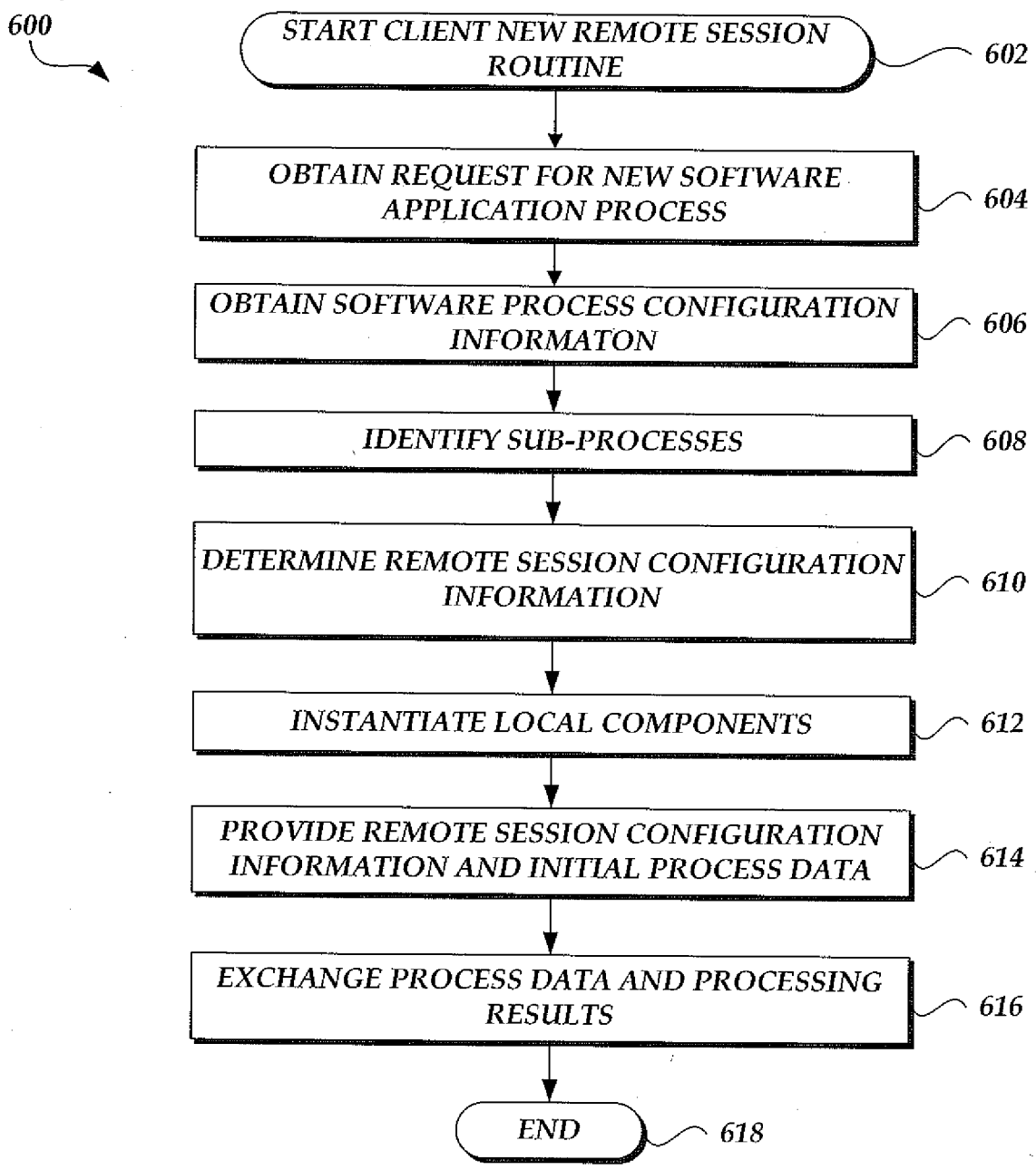
600
START CLIENT NEW REMOTE SESSION ROUTINE
602
OBTAIN REQUEST FOR NEW SOFTWARE APPLICATION PROCESS
604
OBTAIN SOFTWARE PROCESS CONFIGURATION INFORMATON
606
IDENTIFY SUB-PROCESSES
608
DETERMINE REMOTE SESSION CONFIGURATION INFORMATION
610
INSTANTIATE LOCAL COMPONENTS
612
PROVIDE REMOTE SESSION CONFIGURATION INFORMATION AND INITIAL PROCESS DATA
614
EXCHANGE PROCESS DATA AND PROCESSING RESULTS
616
END
618

Fig. 6.

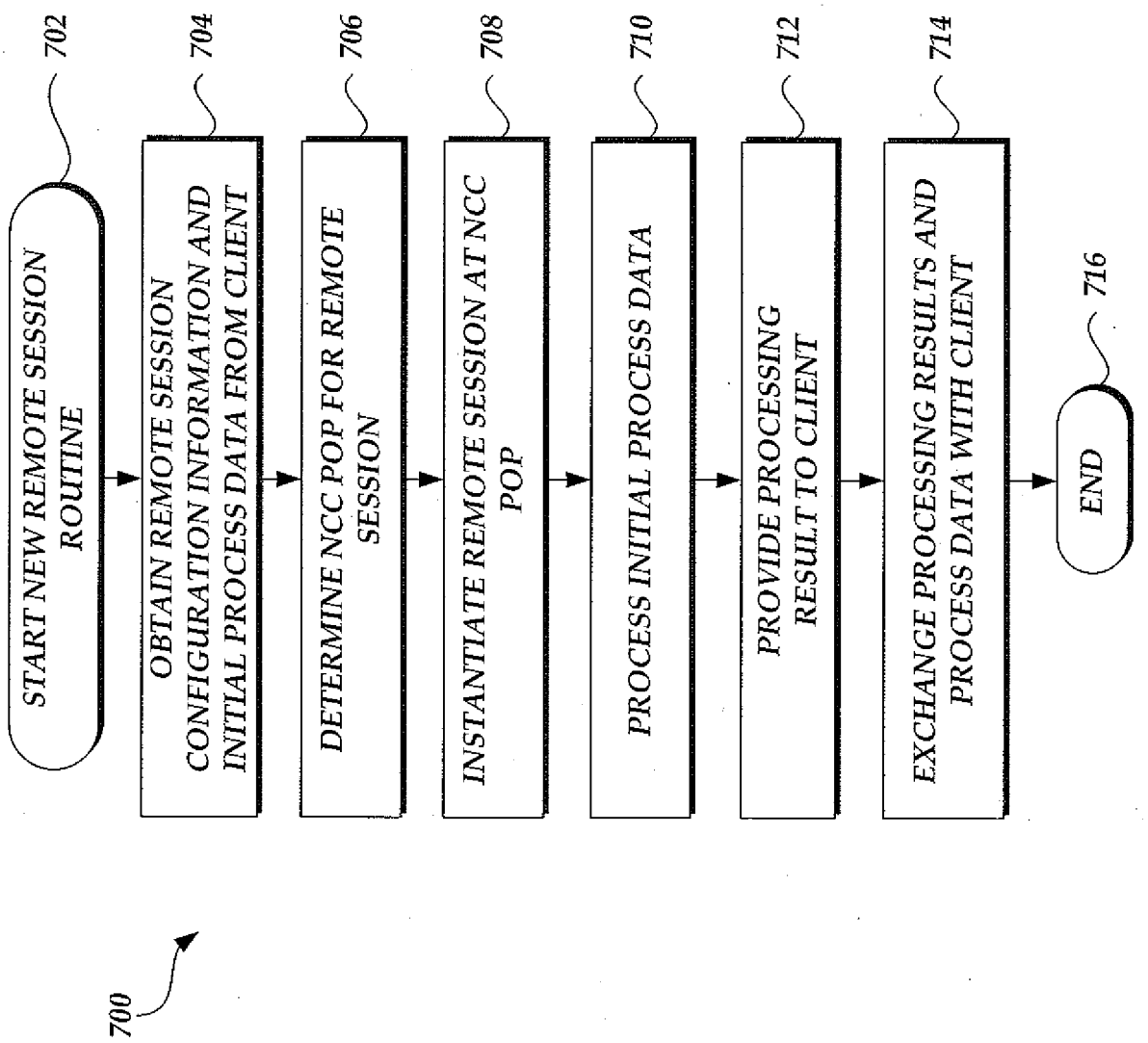
700
START NEW REMOTE SESSION ROUTINE
702
OBTAIN REMOTE SESSION CONFIGURATION INFORMATION AND INITIAL PROCESS DATA FROM CLIENT
704
DETERMINE NCC POP FOR REMOTE SESSION
706
INSTANTIATE REMOTE SESSION AT NCC POP
708
PROCESS INITIAL PROCESS DATA
710
PROVIDE PROCESSING RESULT TO CLIENT
712
EXCHANGE PROCESSING RESULTS AND PROCESS DATA WITH CLIENT
714
END
716

Fig. 7.

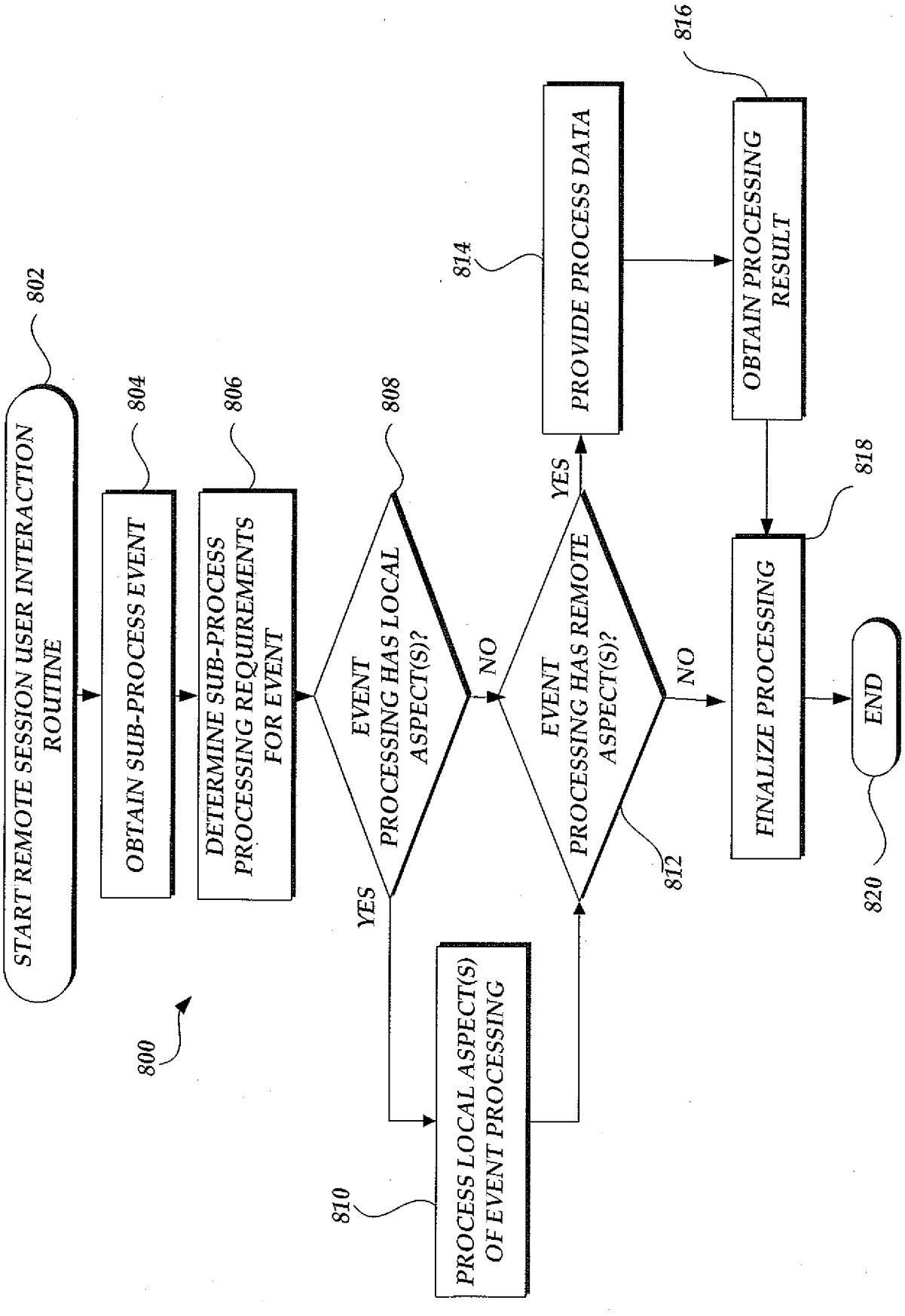
START REMOTE SESSION USER INTERACTION ROUTINE
802
OBTAIN SUB-PROCESS EVENT
804
DETERMINE SUB-PROCESS PROCESSING REQUIREMENTS FOR EVENT
806
EVENT PROCESSING HAS LOCAL ASPECT(S)?
808
YES
NO
PROCESS LOCAL ASPECT(S) OF EVENT PROCESSING
810
EVENT PROCESSING HAS REMOTE ASPECT(S)?
812
YES
NO
PROVIDE PROCESS DATA
814
OBTAIN PROCESSING RESULT
816
FINALIZE PROCESSING
818
END
820
800

Fig. 8.