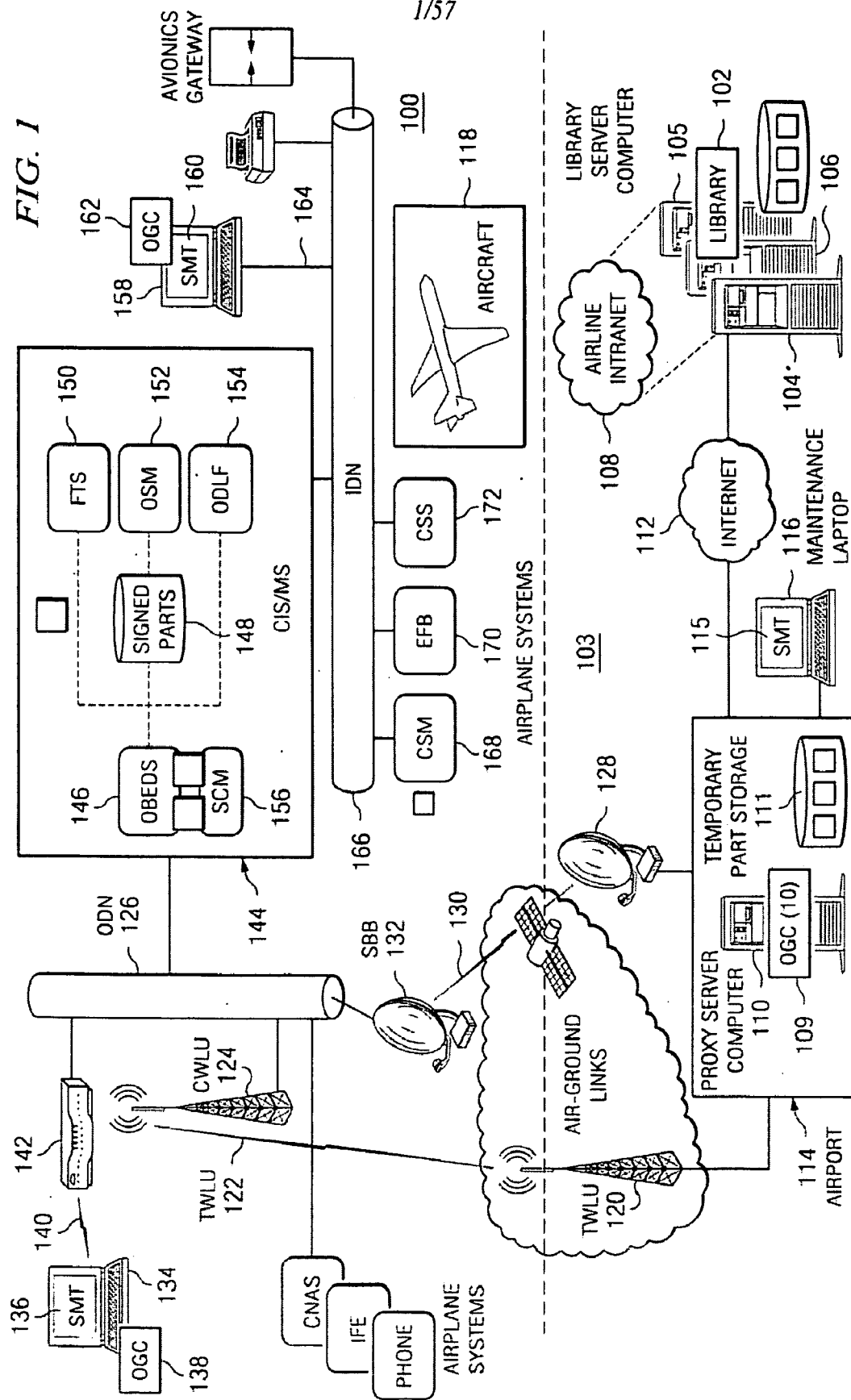


FIG. 1



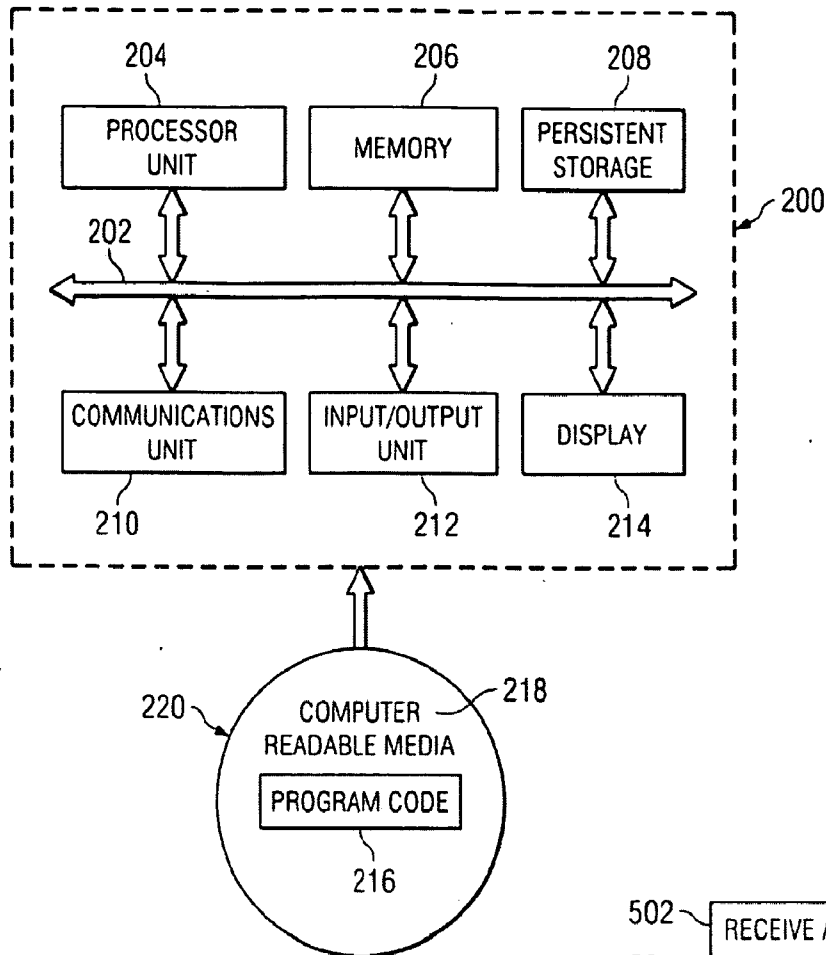


FIG. 2

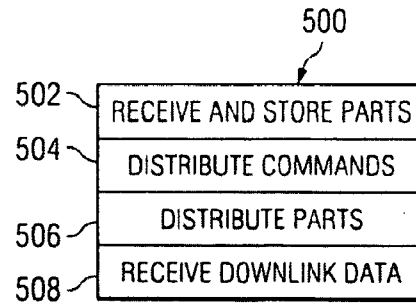


FIG. 5

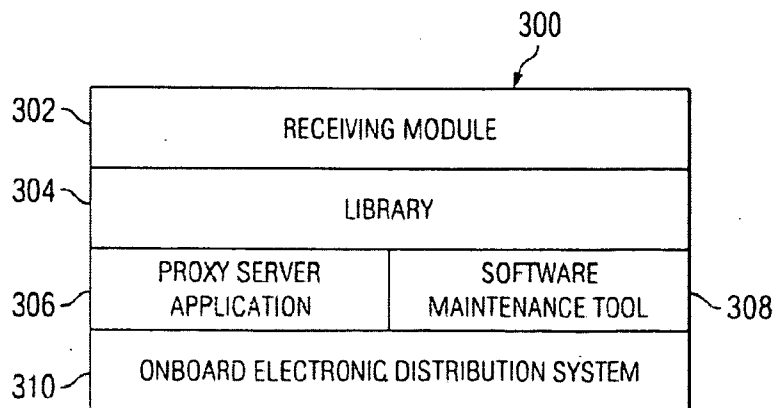


FIG. 3

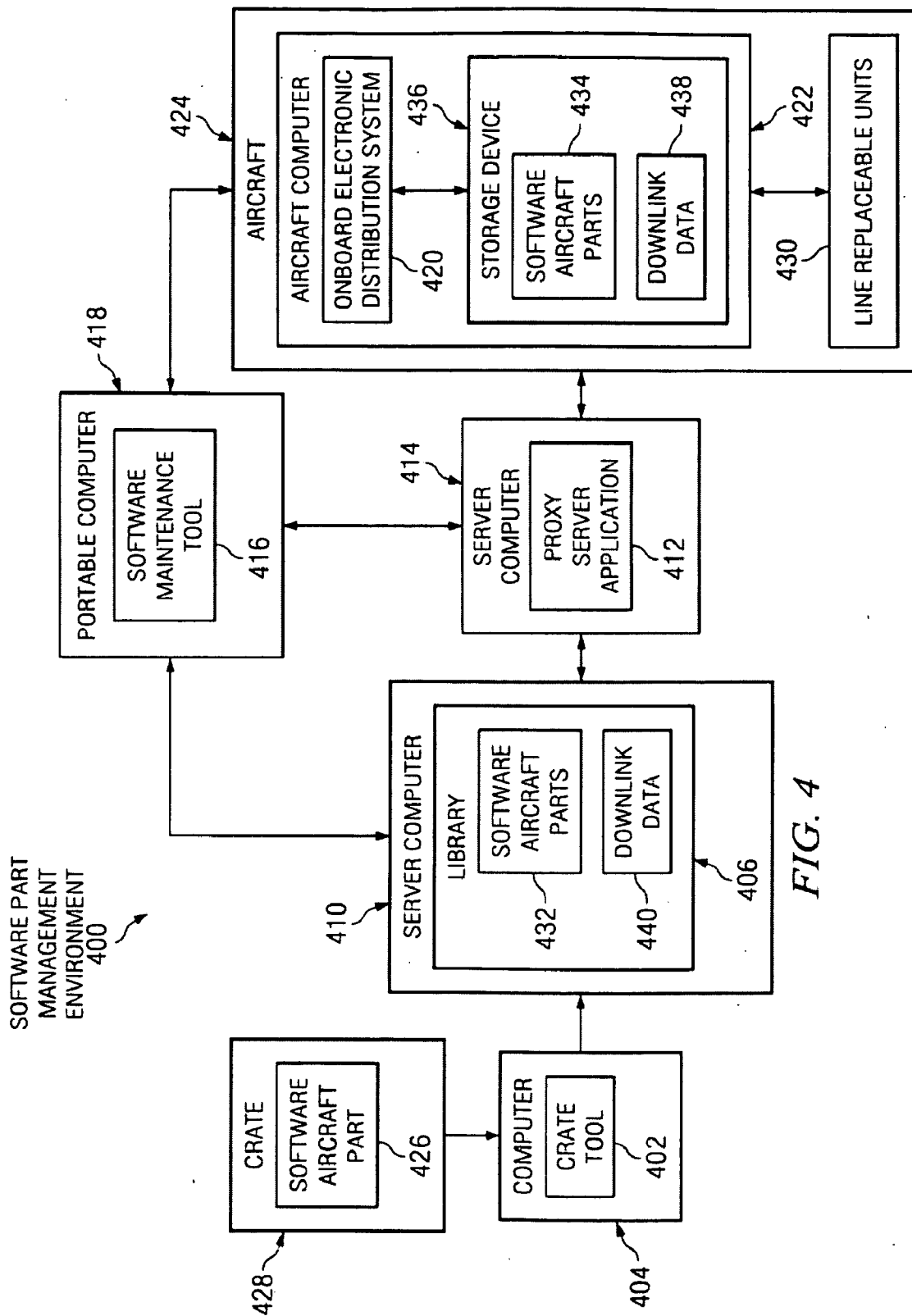


FIG. 4

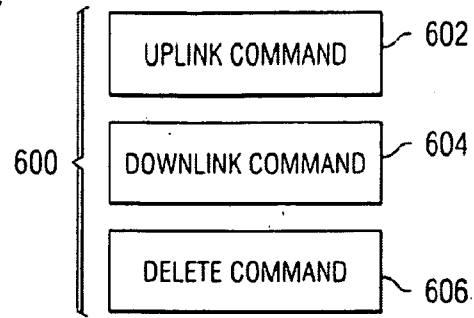


FIG. 6

700

```

<Cmd xmlns="http://www.boeing.com/787/obeds">
  <MsgId>kmad09ce87i6ef3c</MsgId> ~ 702
  <Type>uplink</Type> ~ 704
  <System>CIS-MS</System> ~ 706
  <Appld>OSM</Appld> ~ 708
  <LinkLabel>SMT</LinkLabel> ~ 710
  <ServerAddress>172.24.10.50</ServerAddress> ~ 712
  <DataType>LSAP</DataType> ~ 714
  <Resource type="LSAP">PNU 120 OJSDO</Resource> ~ 716
</Cmd>
  
```

FIG. 7

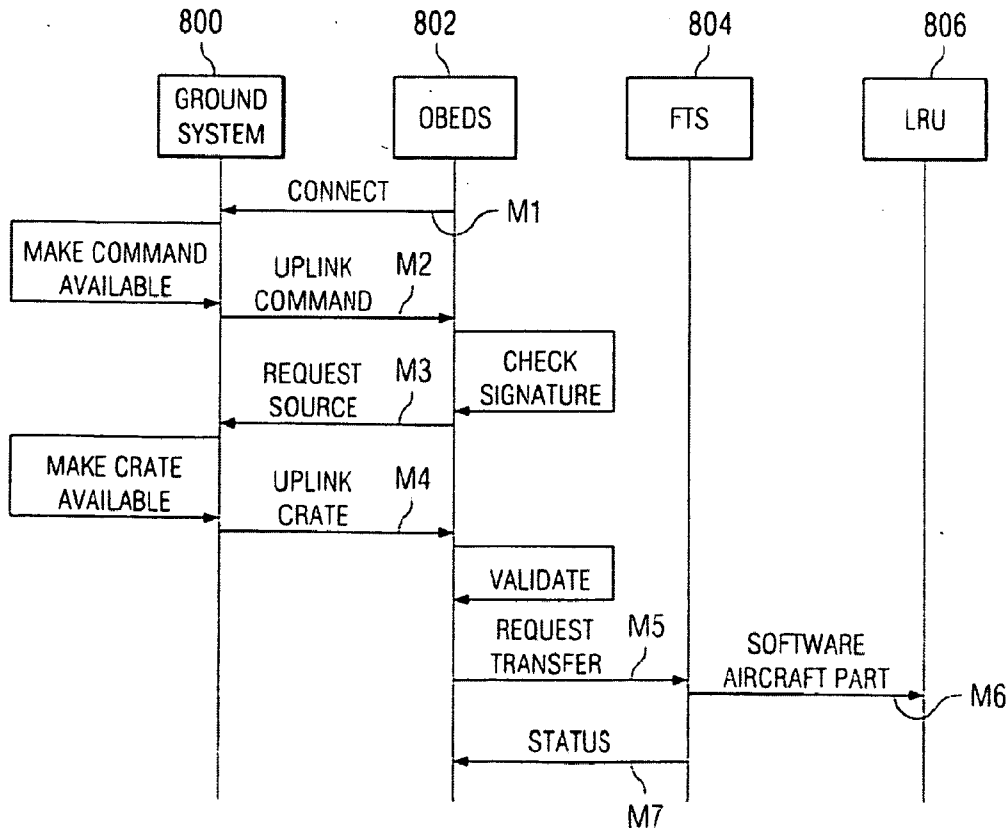
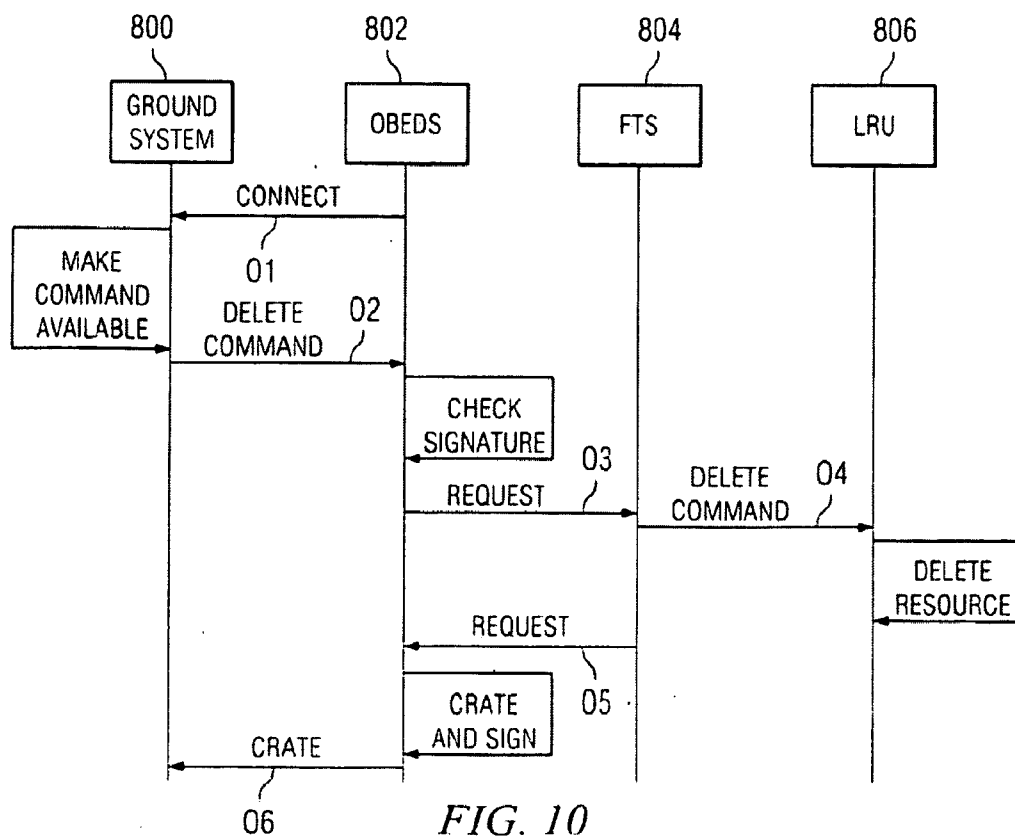
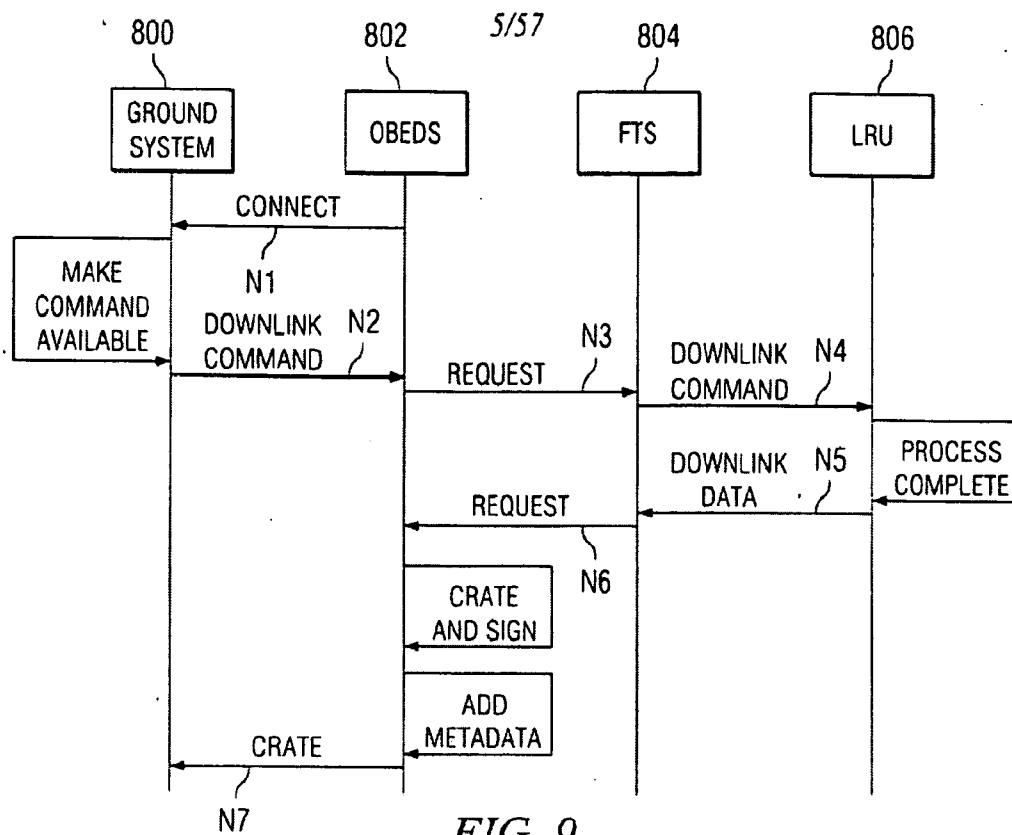
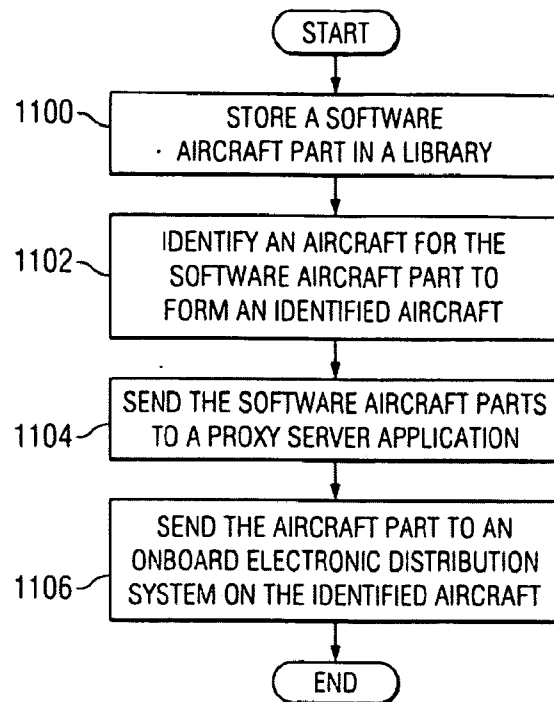
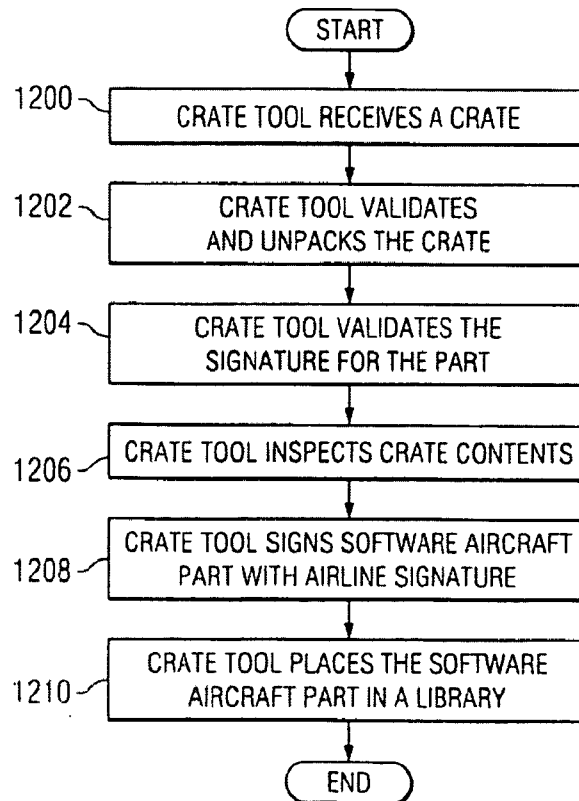


FIG. 8



*FIG. 11**FIG. 12*

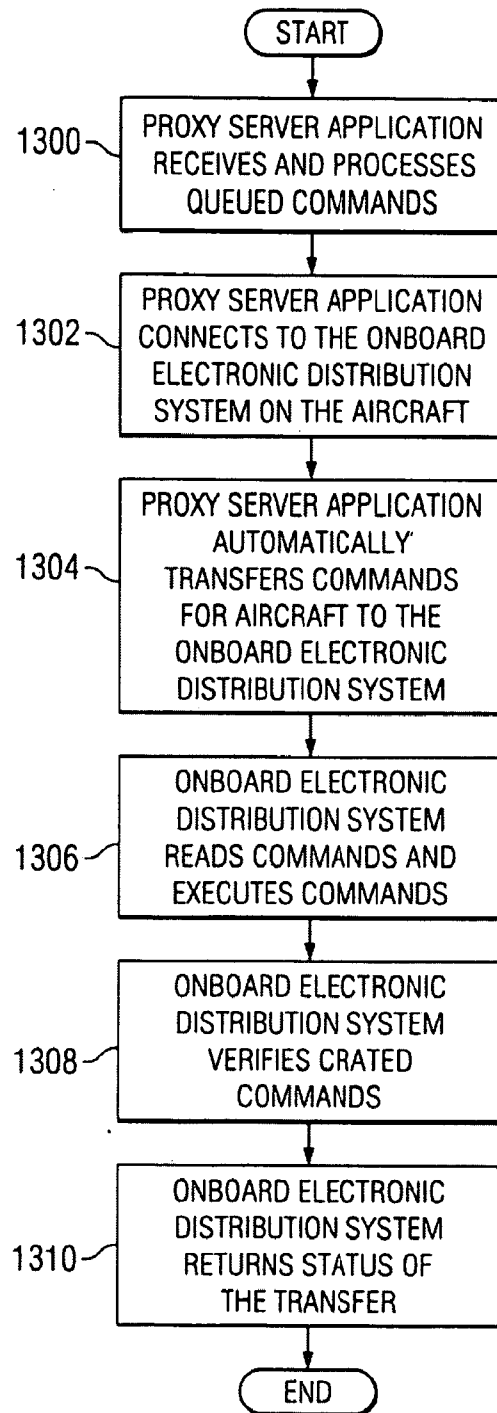
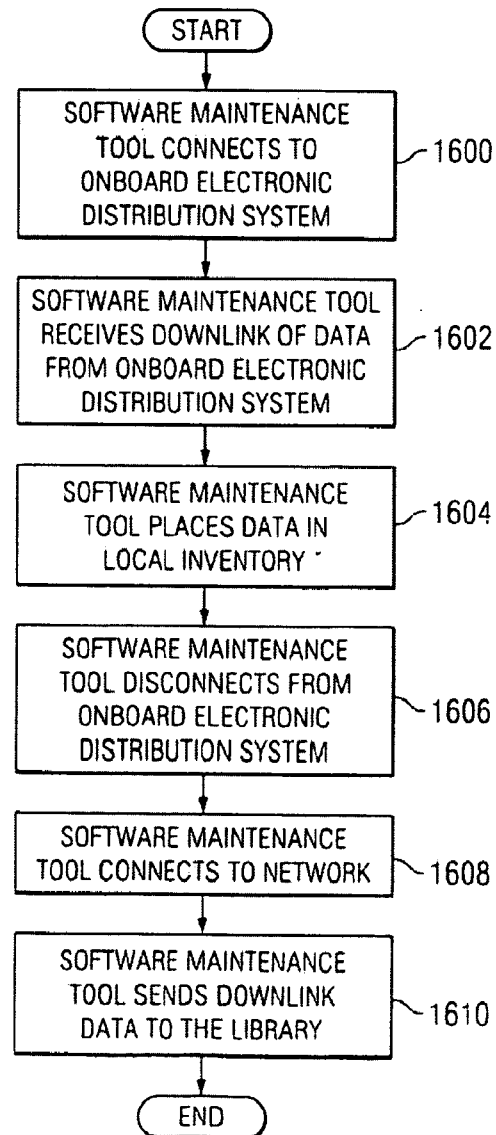
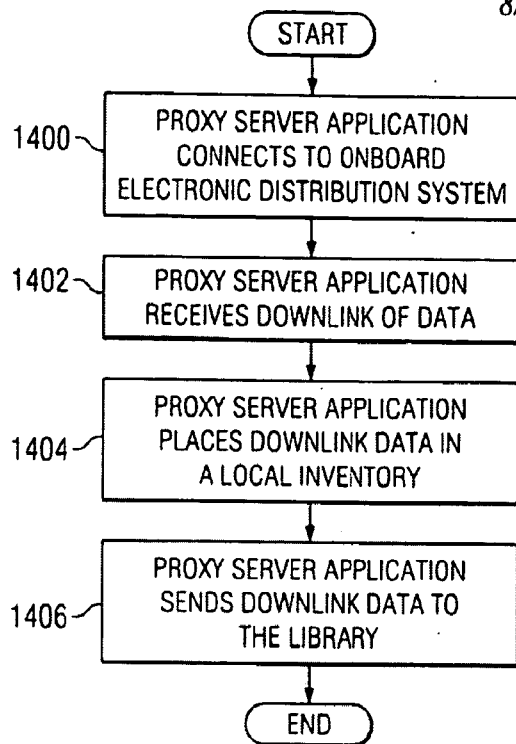


FIG. 13



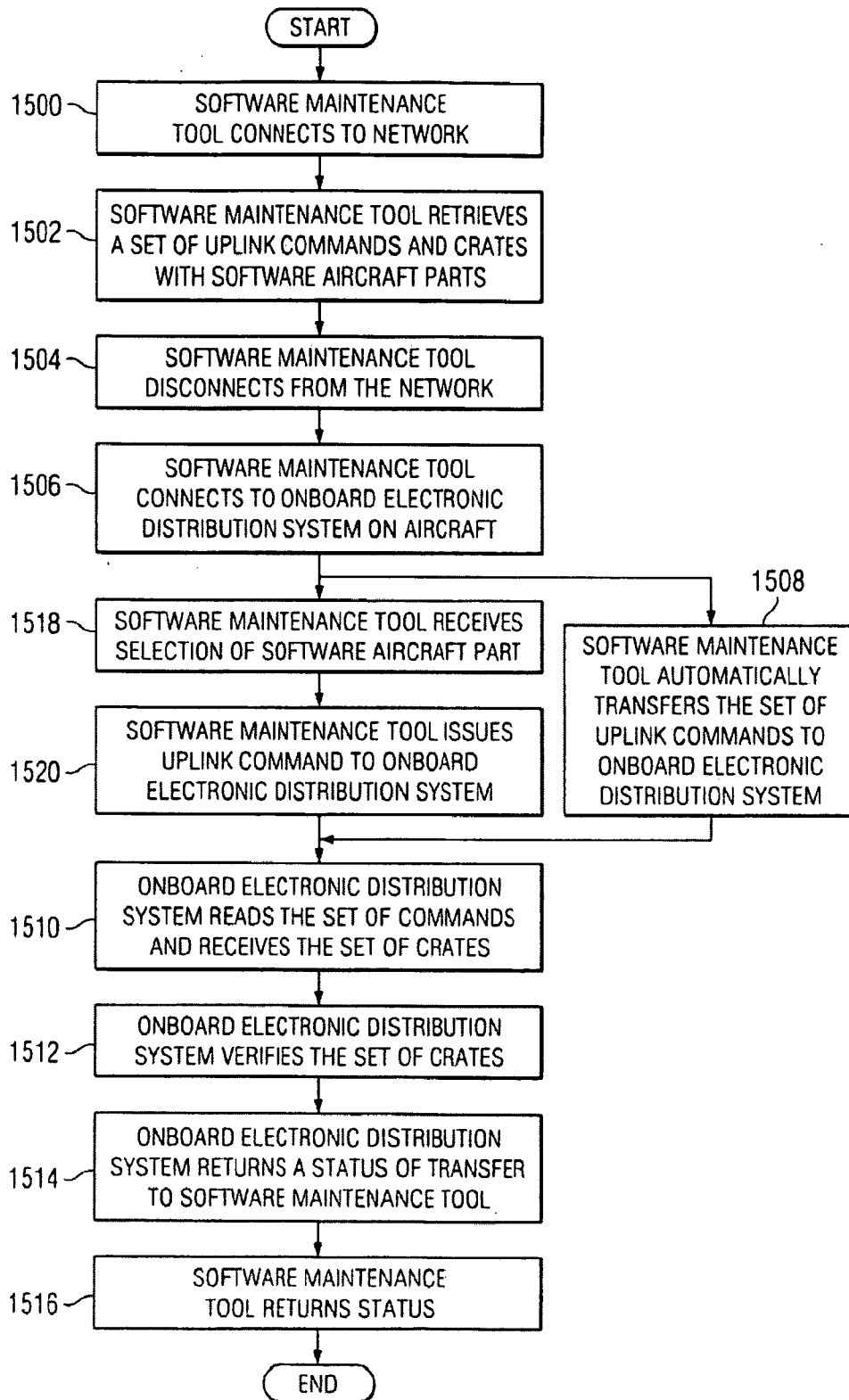


FIG. 15

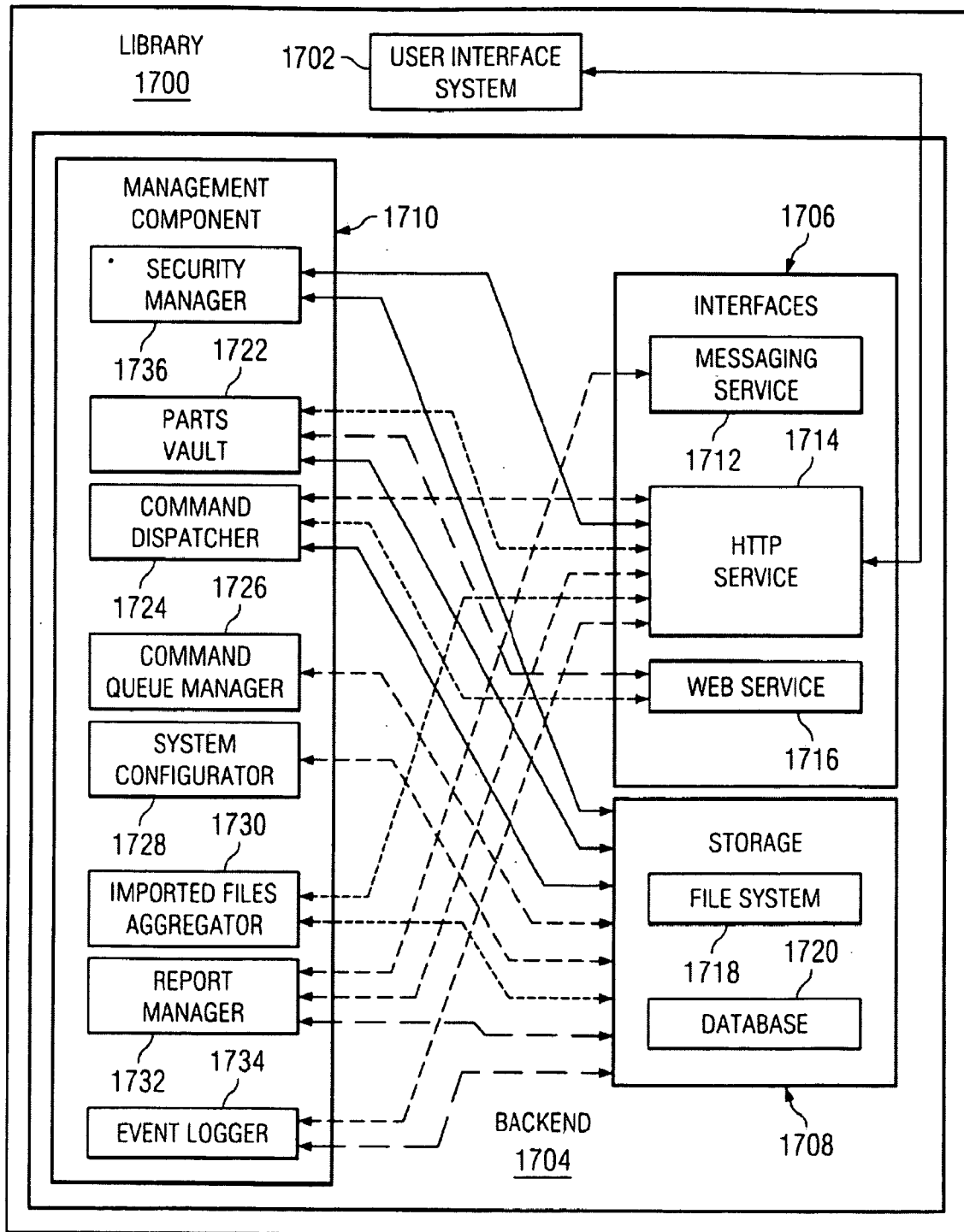


FIG. 17

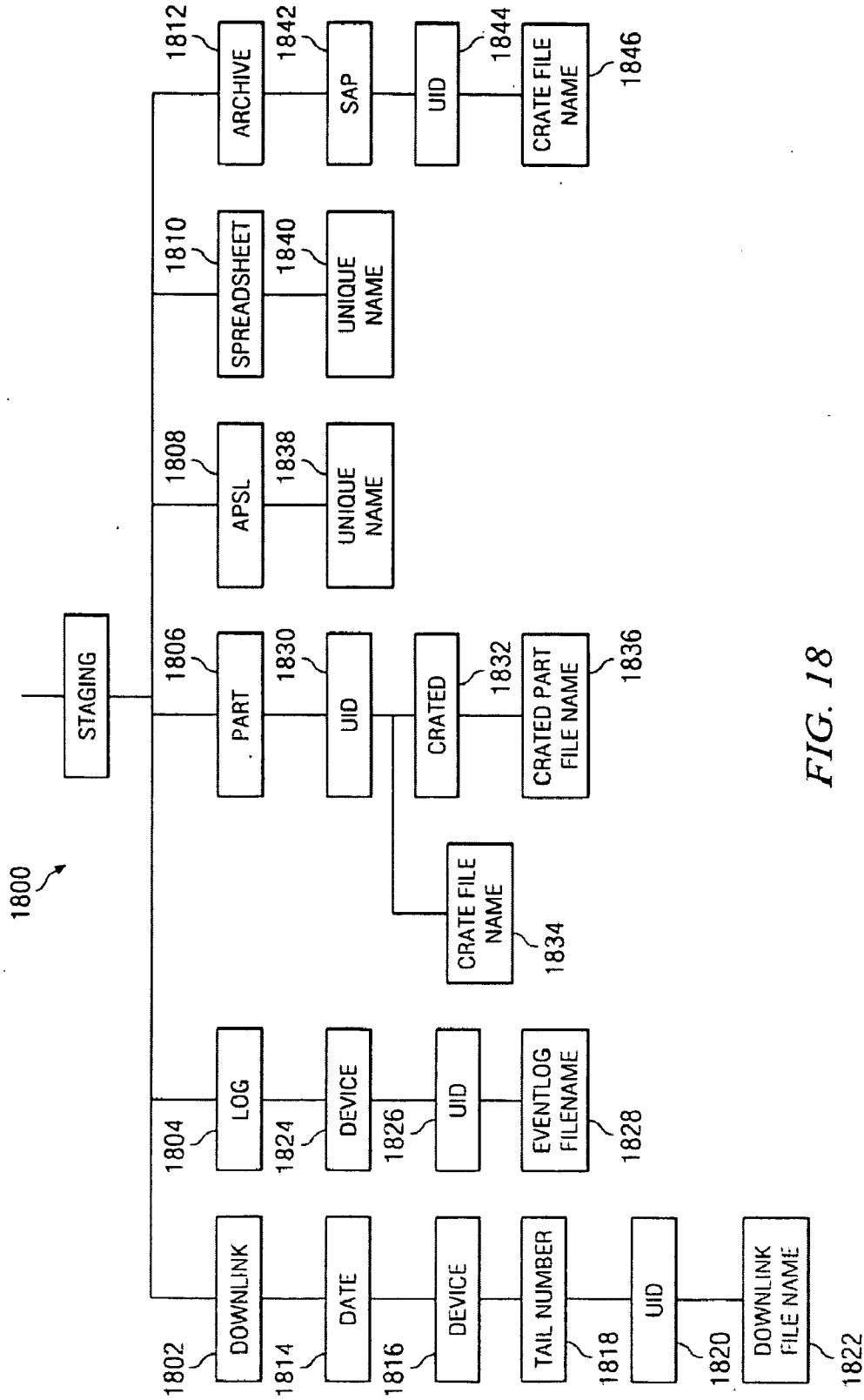


FIG. 18

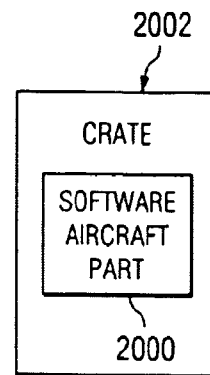
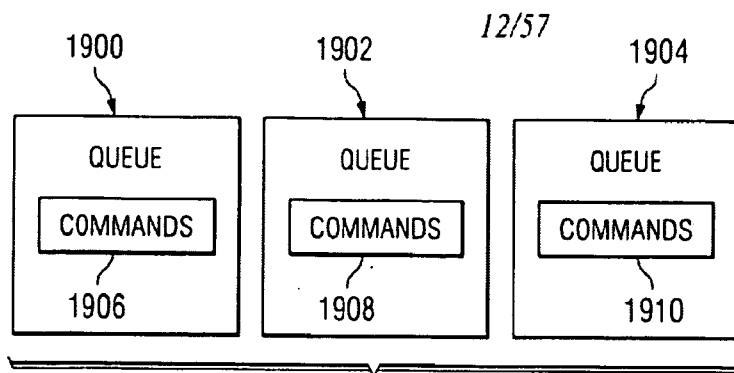


FIG. 21

2100 {

Delete Command:

//A list of file name to be deleted

String[] fileNames; ~ 2102

//Or a list of part ID to be deleted

long [] partIds; ~ 2104

//A list of airplane ID receiving command

long [] airplaneIds; ~ 2106

//A list of device ID to serve the command

long [] deviceIds; ~ 2108

//the destination system to receive the command

long sysAppld; ~ 2110

//device ID that request the command.

String user; ~ 2112

FIG. 22

2200 {

Uplink Command:

//part ID this command include

long partId; ~ 2202

//A list of airplane ID receiving command

long [] airplaneIds; ~ 2204

//A list of device ID to serve the command

long [] deviceIds; ~ 2206

//the destination system to receive the command

long sysAppld; ~ 2208

//device ID that request the command.

String user; ~ 2210

Downlink Command:

//Airplane downlink report data type
long dateTypeId; ~ 2302

//A list of airplane ID receiving command
long [] airplaneIds; ~ 2304

//A list of device ID to serve the command
long [] deviceIds; ~ 2306

//the destination system to receive the command
long sysAppld; ~ 2308

//device ID that request the command.
String user; ~ 2310

2300

FIG. 23

2400

Command Queues Command Dispatcher Uplink Downlink Delete	Uplink Commands ? 2408	Reset	Refresh	Dispatch
	Airplane Tail # ☐ All	Proxy Server(s) ☐ All ☐ None	SMT(s) ☐ All ☐ None	
	B007 B123 B3422 Boeing123 Boeing295 Boeing456 Boeing581 Boeing789 Boeing928 J1234	DEVSTACK PARIS PS_A3841707 PS_DEFAULT PS_Device1 PS_MIKE PS_PETER2 PS_SEATTLE SEATTLE testDevice1	LSAPL SMT MINNEAPOLIS SMT 123 SMT Seattle SMT super SMT1 SMT2 SMTSeattle SMT_Device1 SMT_Device2	
	2410	2412	2414	2416
Parts Vault Maintenance System Services Reports	2418 Destination System Airplane Condition Monitoring Function (ACM) Part Item XXX-Z-A000-0100 >> 2426 2428 IP Owner XXX82 2420 Product Status BLUE_LABEL Applicable STD. 140972 2422 Cert. Expiration Date ARINC665-2 2424 XXX82-A000-0100			

FIG. 24

<						
--	--	--	--	--	--	--

2510

FIG. 25

2500

14/57

Command Queues	VALID PARTS 2610									
Command Dispatcher	FIL									
Parts Vault	3613									
Valid Parts	ABC-Z-DEF-123-4	This is a short desc.	RED_LABEL	JUL 13, 2034 17:38:43	AppSTD X					
Incoming Parts 2602	DON-Z-123-456-0	This is a short desc.	RED_LABEL	JUL 13, 2034 17:38:43	AppSTD X					
Expired Parts 2604	XXX-Z-A000-0100	XX202-A000-0-100	BLUE_LABEL	JUL 13, 2034 17:38:43	ARINC 665-2					
Faulty Parts 2608 2606	CN3-987-65-432	This is a rather short descri...	RED_LABEL	JUL 13, 2034 17:38:43	AppSTD X					
	ENG48-CD50-5003	ZXCZXCZ	BLACK_LABEL	JUL 13, 2034 17:38:43	ARINC 665-2					
	XXX2A-5638-031H	This is a rather short descri...	RED_LABEL	JUN 20, 2020 14:55:16	AppSTD X					
	XXX2A-3215-706F	This is a rather short descri...	RED_LABEL	JUN 20, 2020 14:55:16	AppSTD X					
	XXX2A-5256-902M	This is a rather short descri...	RED_LABEL	JUN 20, 2020 14:55:16	AppSTD X					
	XXX2A-9606-909K	This is a rather short descri...	RED_LABEL	JUN 20, 2020 14:55:16	AppSTD X					
	XXX2A-0690-170K	This is a rather short descri...	RED_LABEL	JUN 20, 2020 14:55:16	AppSTD X					
	XXX2A-9479-657E	This is a rather short descri...	RED_LABEL	JUN 20, 2020 14:55:16	AppSTD X					
	XXX2A-6807-071M	This is a rather short descri...	RED_LABEL	JUN 20, 2020 14:55:16	AppSTD X					
	ARI-7663LSP	ASDFA	BLUE_LABEL	JUL 13, 2034 17:38:43	ARINC 665-2					
	TTTTTTTTTTTT	ZXCZ	BLACK_LABEL	JUL 13, 2034 17:38:43	ARINC 665-2					
	BCC22-0000-001U	BCC22-0000-001U	BLACK_LABEL	JUL 13, 2034 17:38:43	ARINC 665-2					
	XXX2A-7866-203L	This is a rather short descri...	RED_LABEL	JUN 20, 2020 14:55:16	AppSTD X					
	HNP5A-AL01-1001	This is a rather short descri...	RED_LABEL	JUL 13, 2034 17:38:43	AppSTD X					
Maintenance	ASDFASDF		BLACK_LABEL	JUL 13, 2034 17:38:43	ARINC 665-2					
System Services	WHARNISH		BLACK_LABEL	JUN 18, 2015 16:59:59	ARINC 665-2					
Reports	HEY-ZEEGUEYS!!!	ASDF	BLUE_LABEL	JUL 13, 2034 17:38:43	ARINC 665-2					

FIG. 26

2600

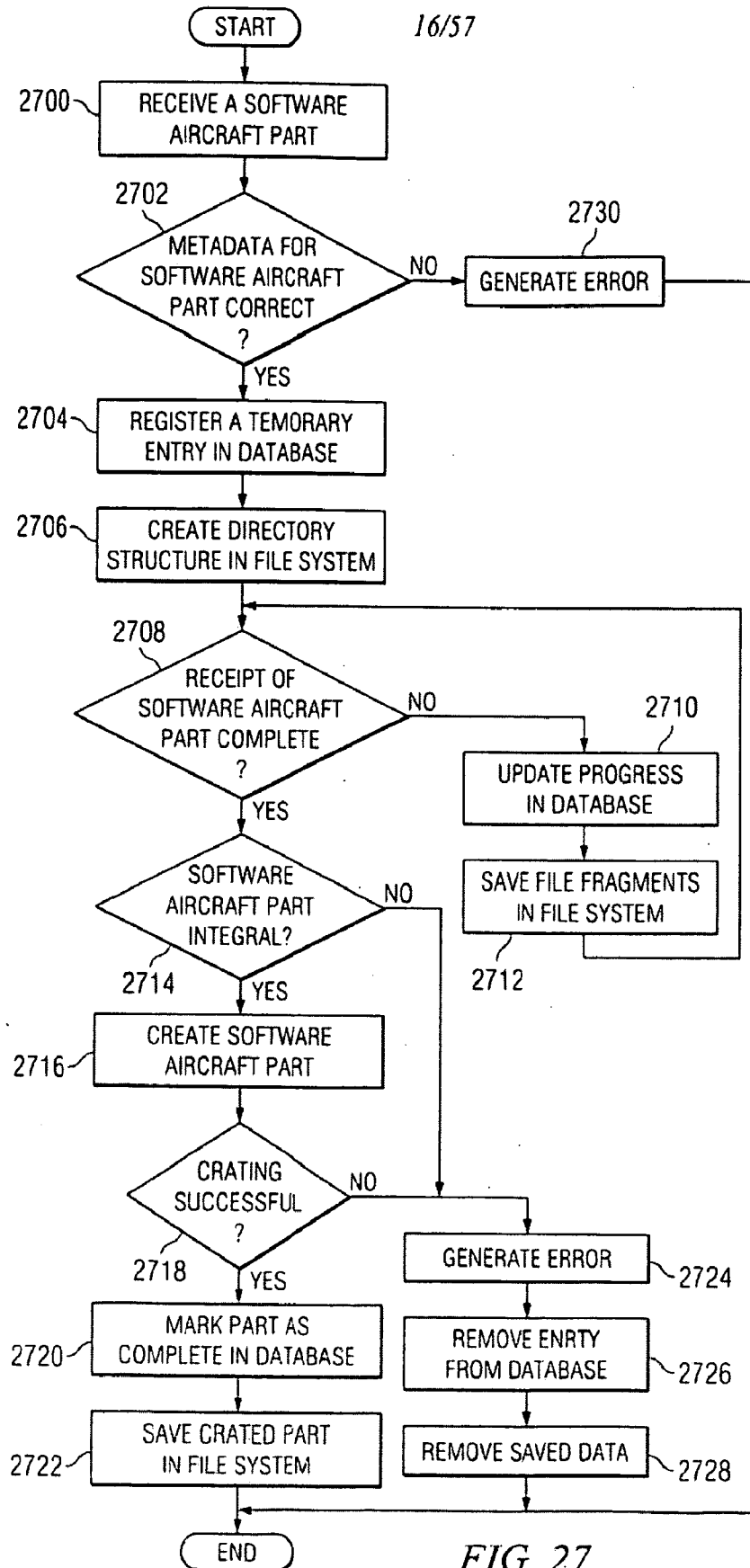


FIG. 27

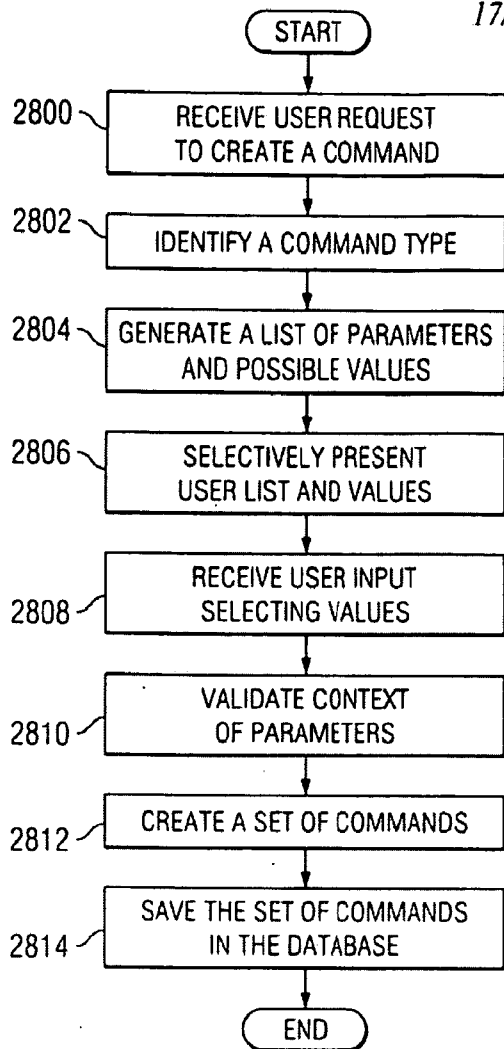


FIG. 28

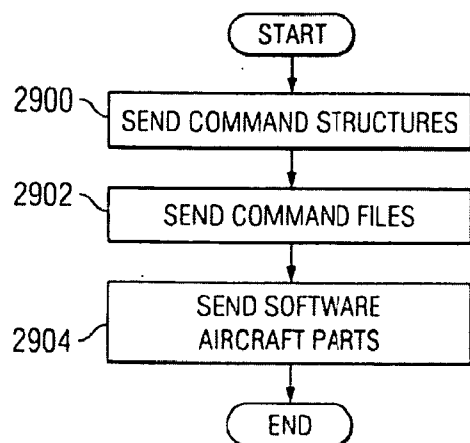


FIG. 29

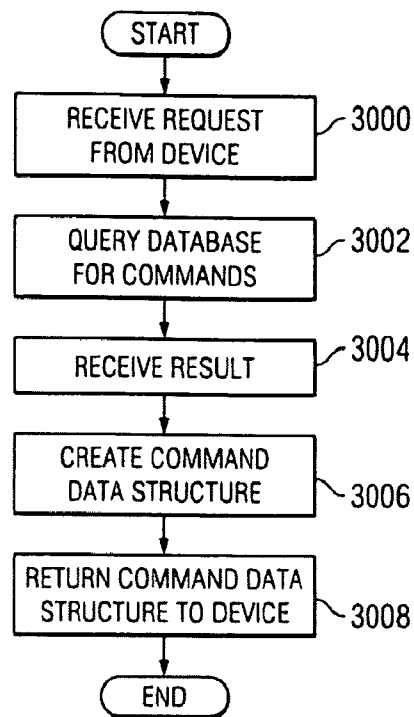


FIG. 30

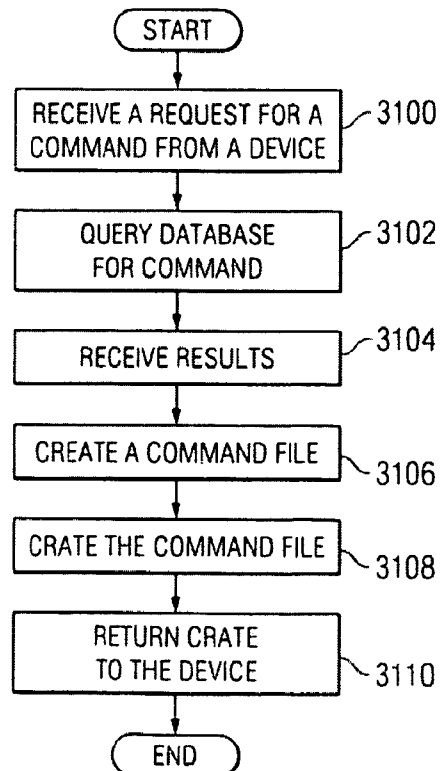


FIG. 31

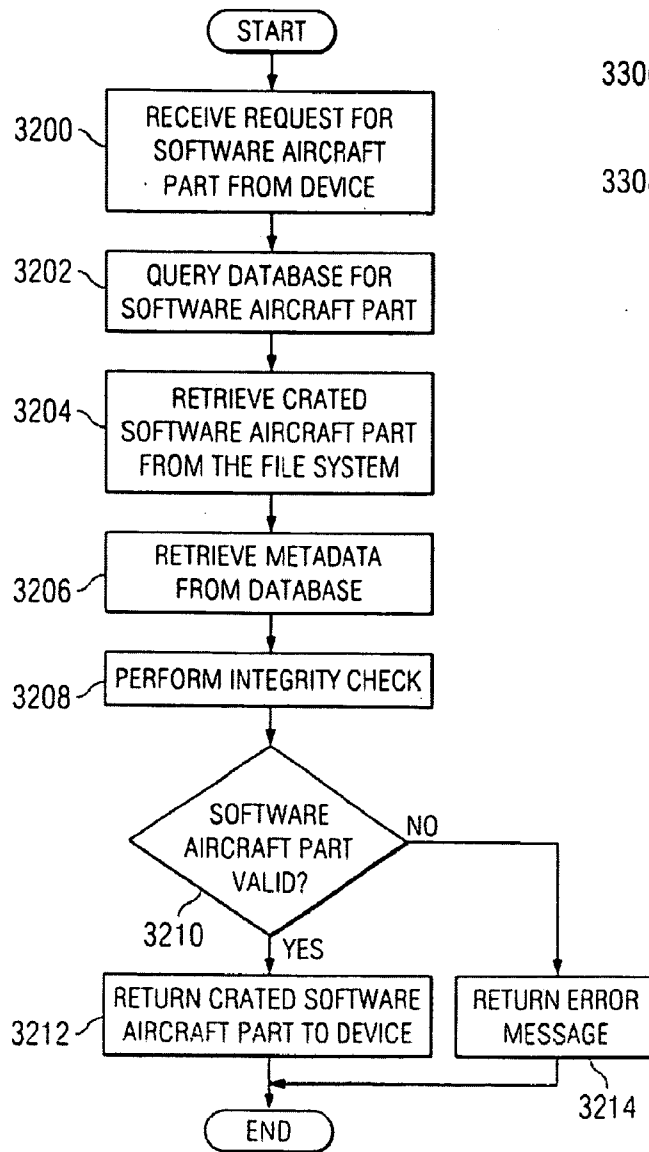


FIG. 32

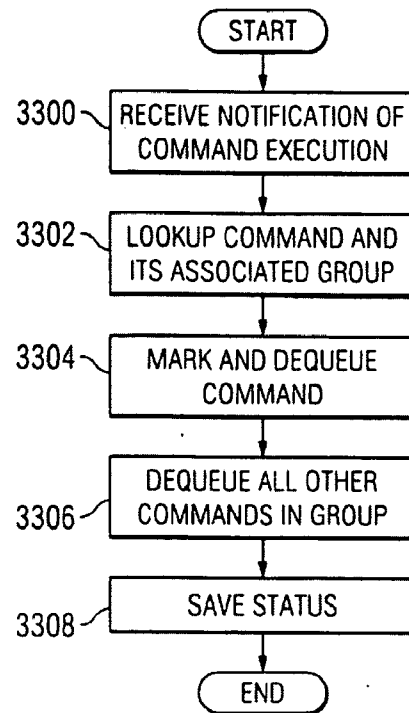


FIG. 33

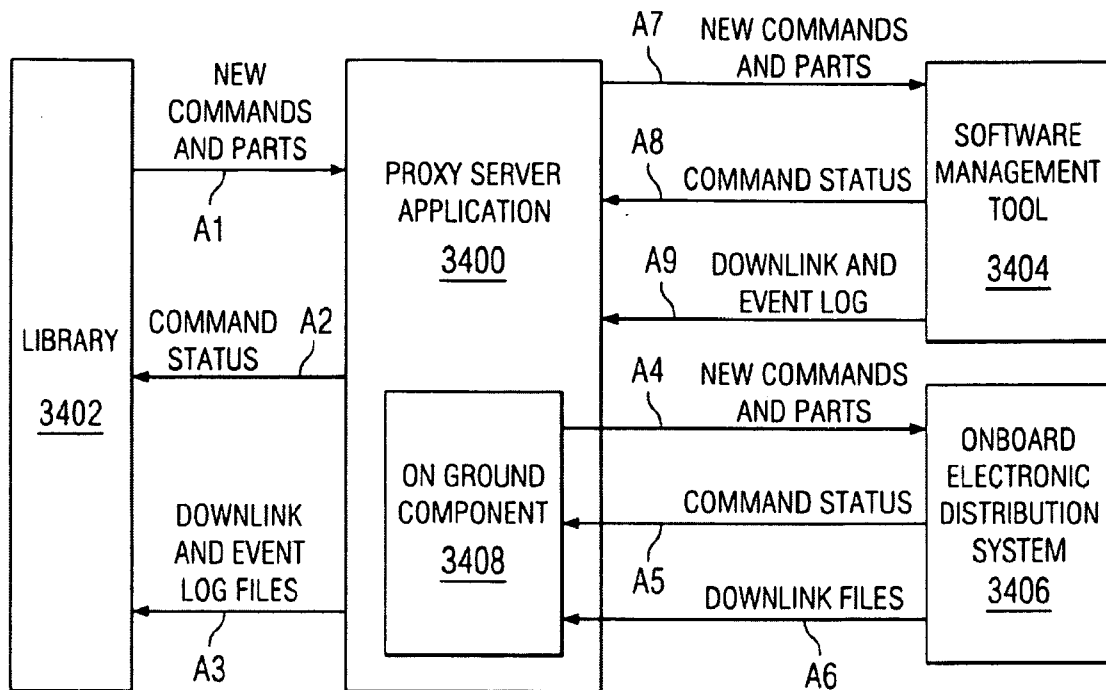


FIG. 34

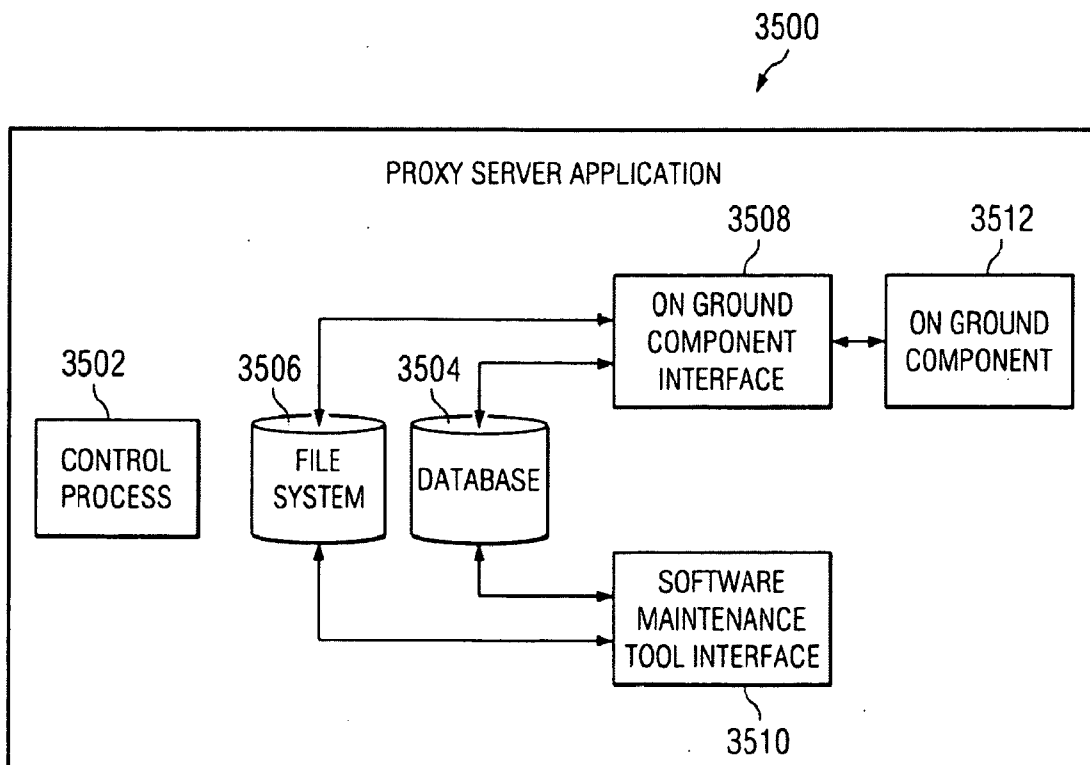


FIG. 35

COMMAND RESULT
DATABASE TABLE
3600

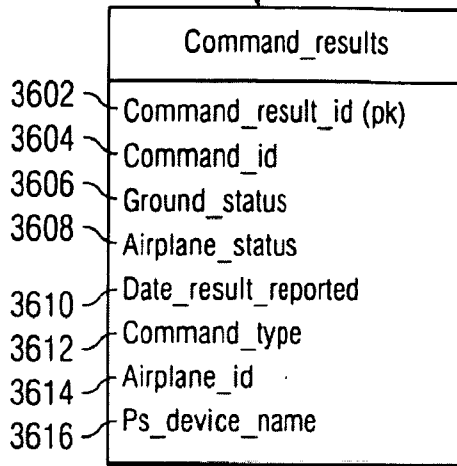


FIG. 36

DOWNLINK FILE
DATABASE TABLE
3700

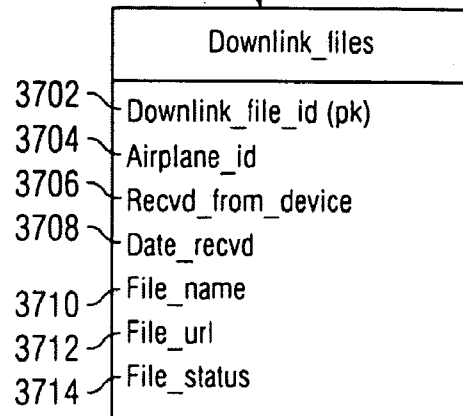
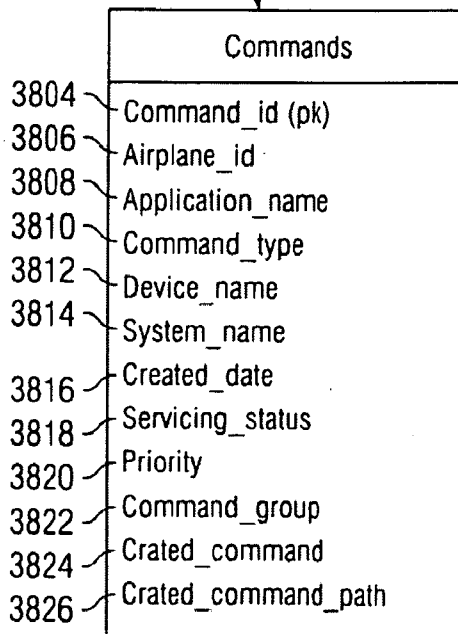


FIG. 37

COMMAND AND
COMMAND RESOURCE
DATABASE TABLE
3800



COMMAND AND
COMMAND RESOURCE
DATABASE TABLE
3802

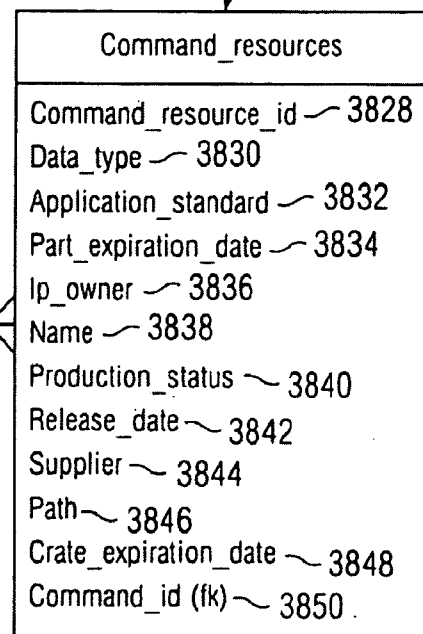


FIG. 38

AIRPLANE COMMAND
DATABASE TABLE
3900

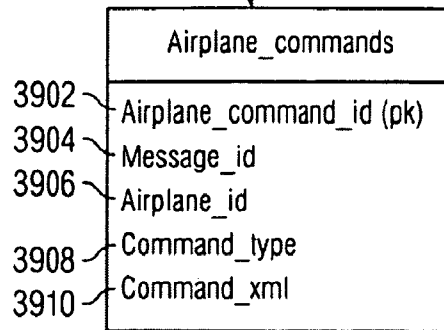


FIG. 39

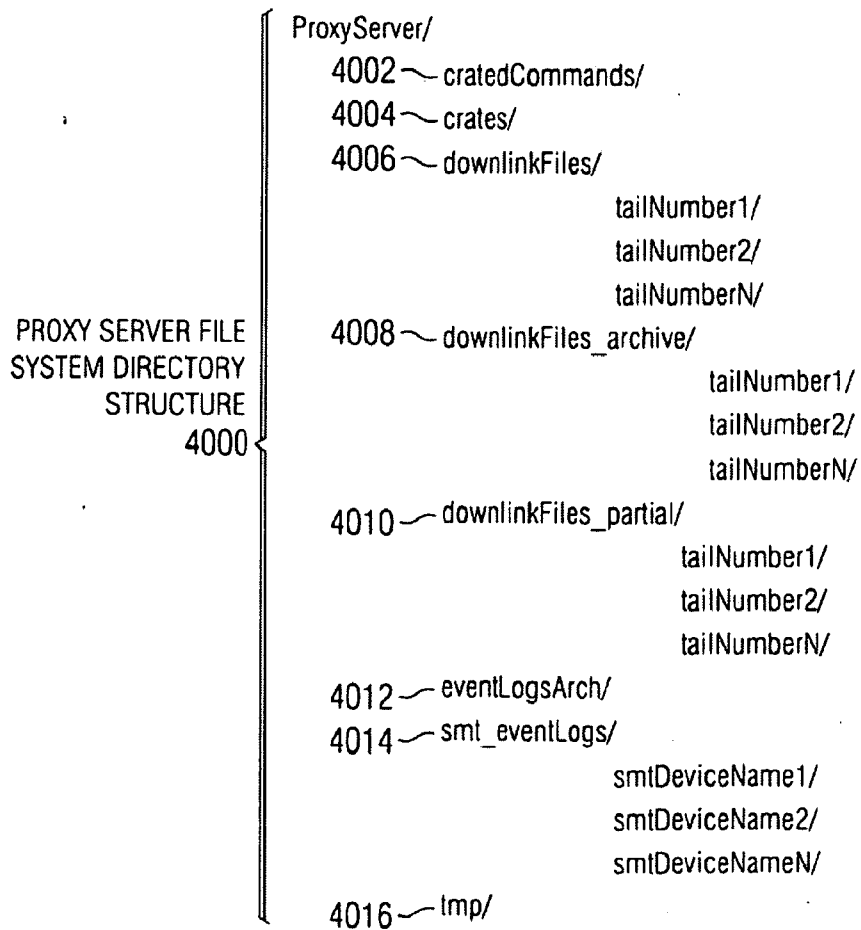
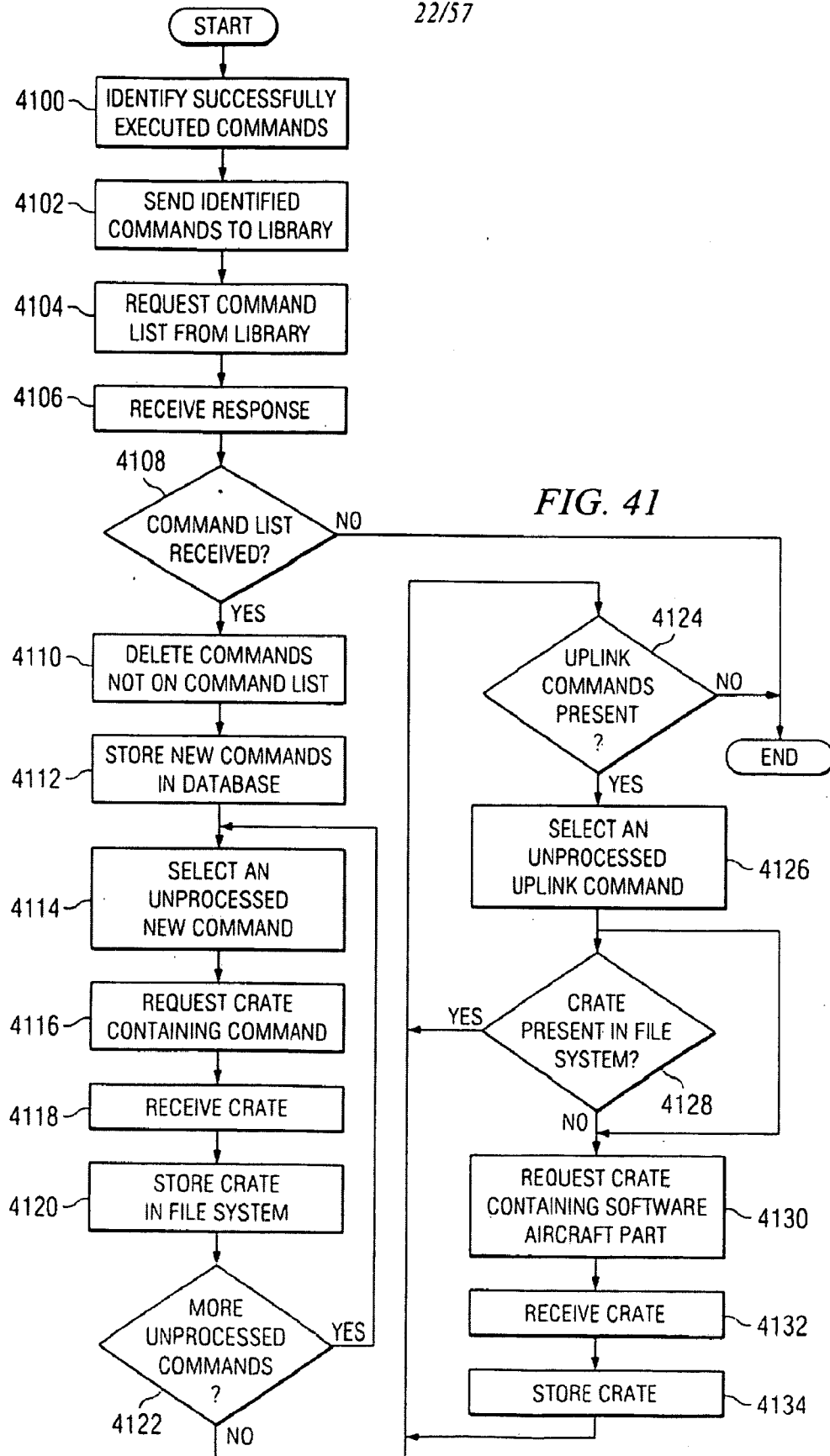


FIG. 40



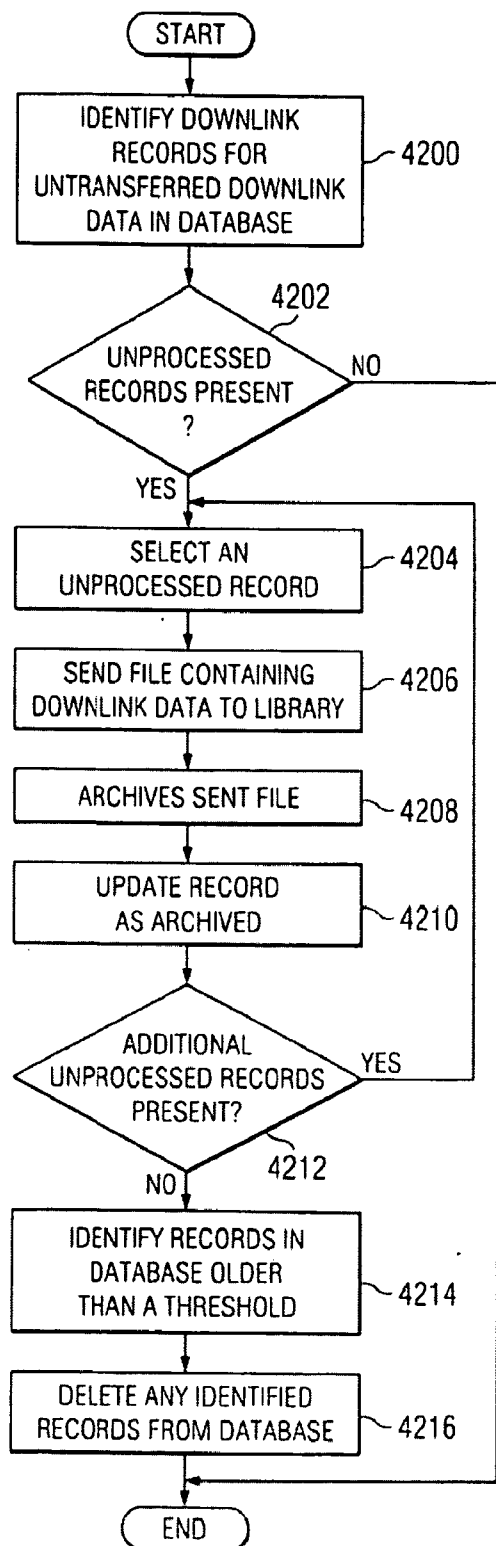


FIG. 42

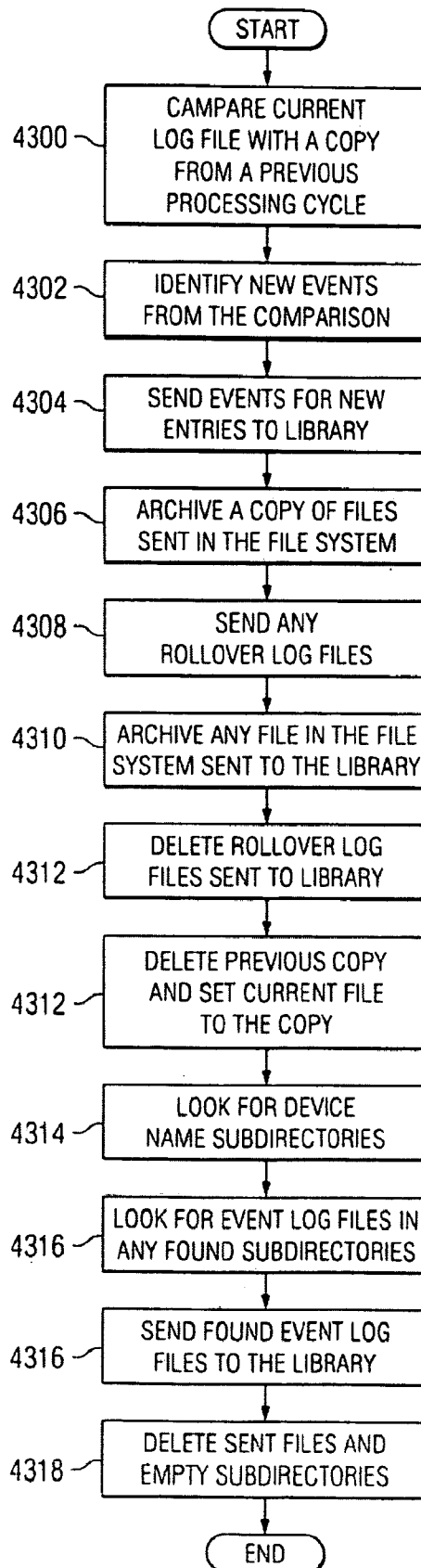


FIG. 43

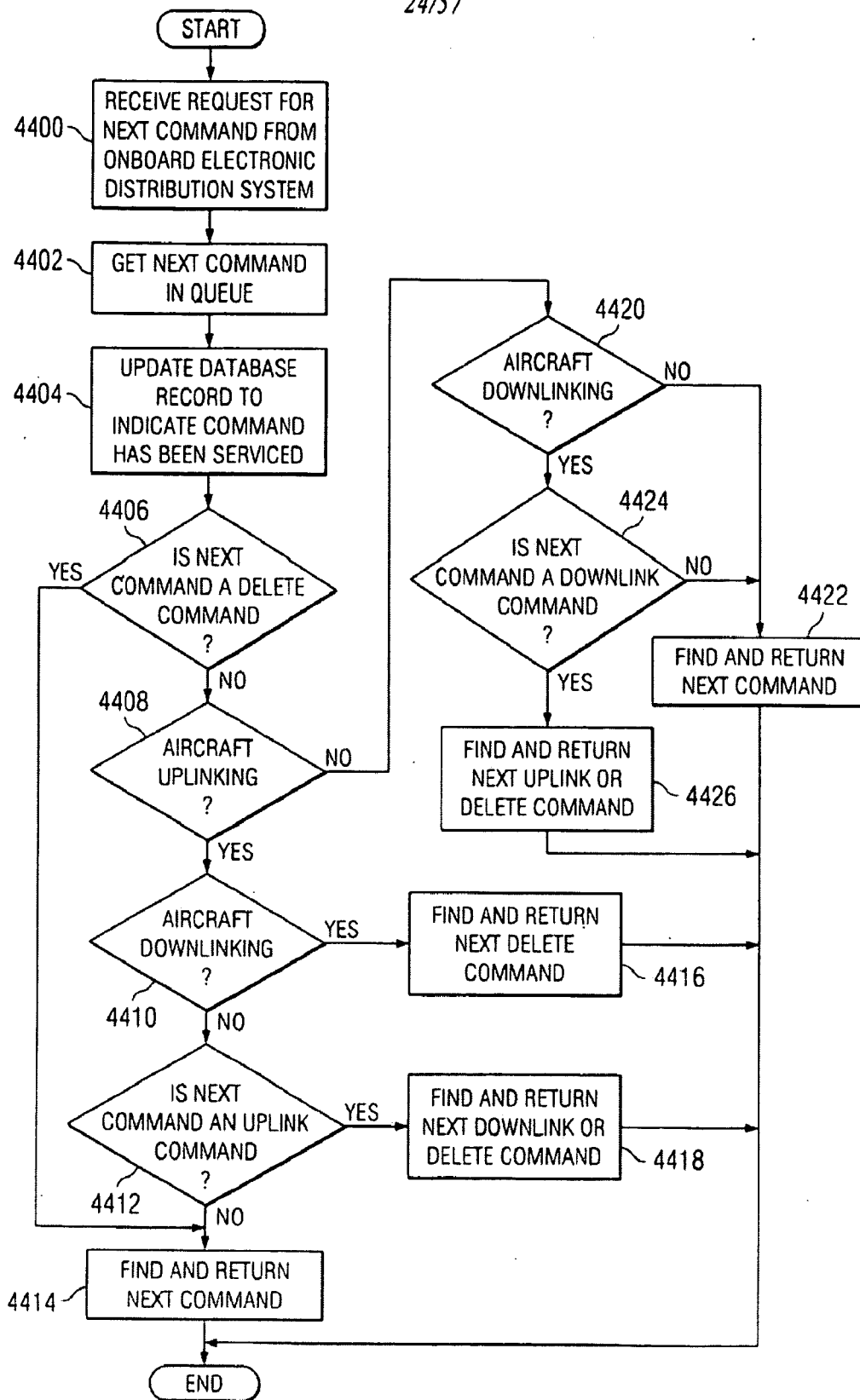


FIG. 44

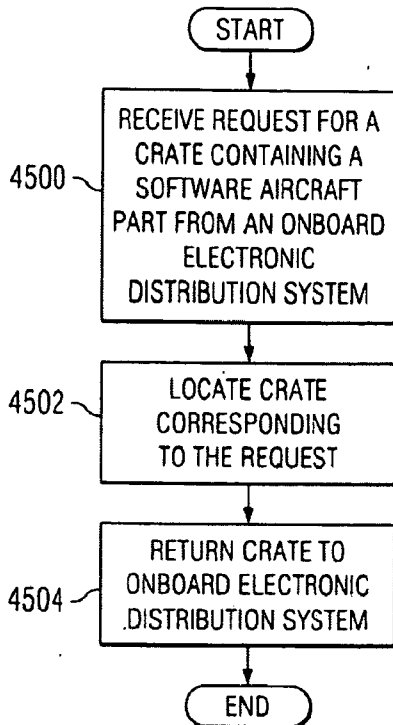


FIG. 45

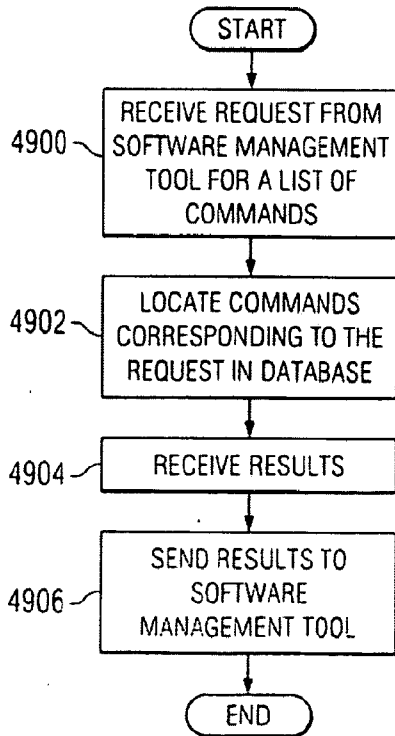


FIG. 49

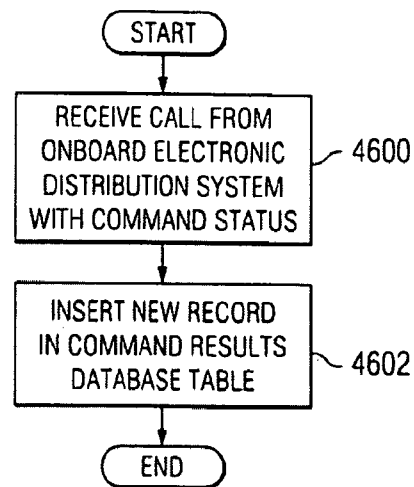


FIG. 46

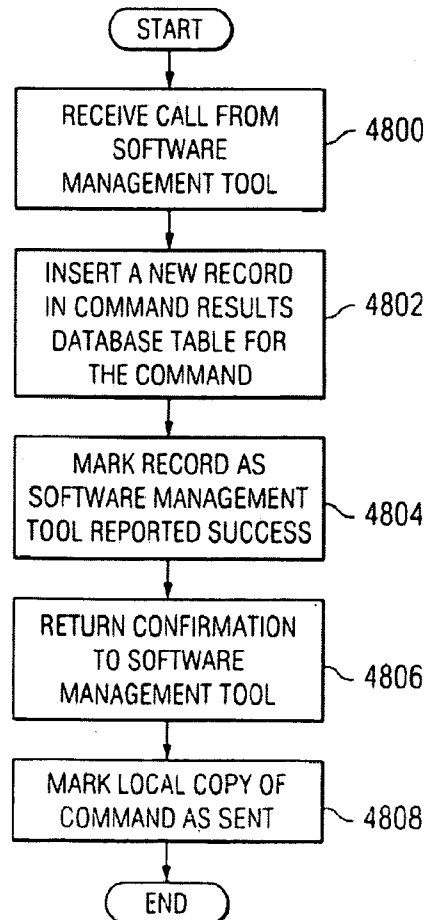


FIG. 48

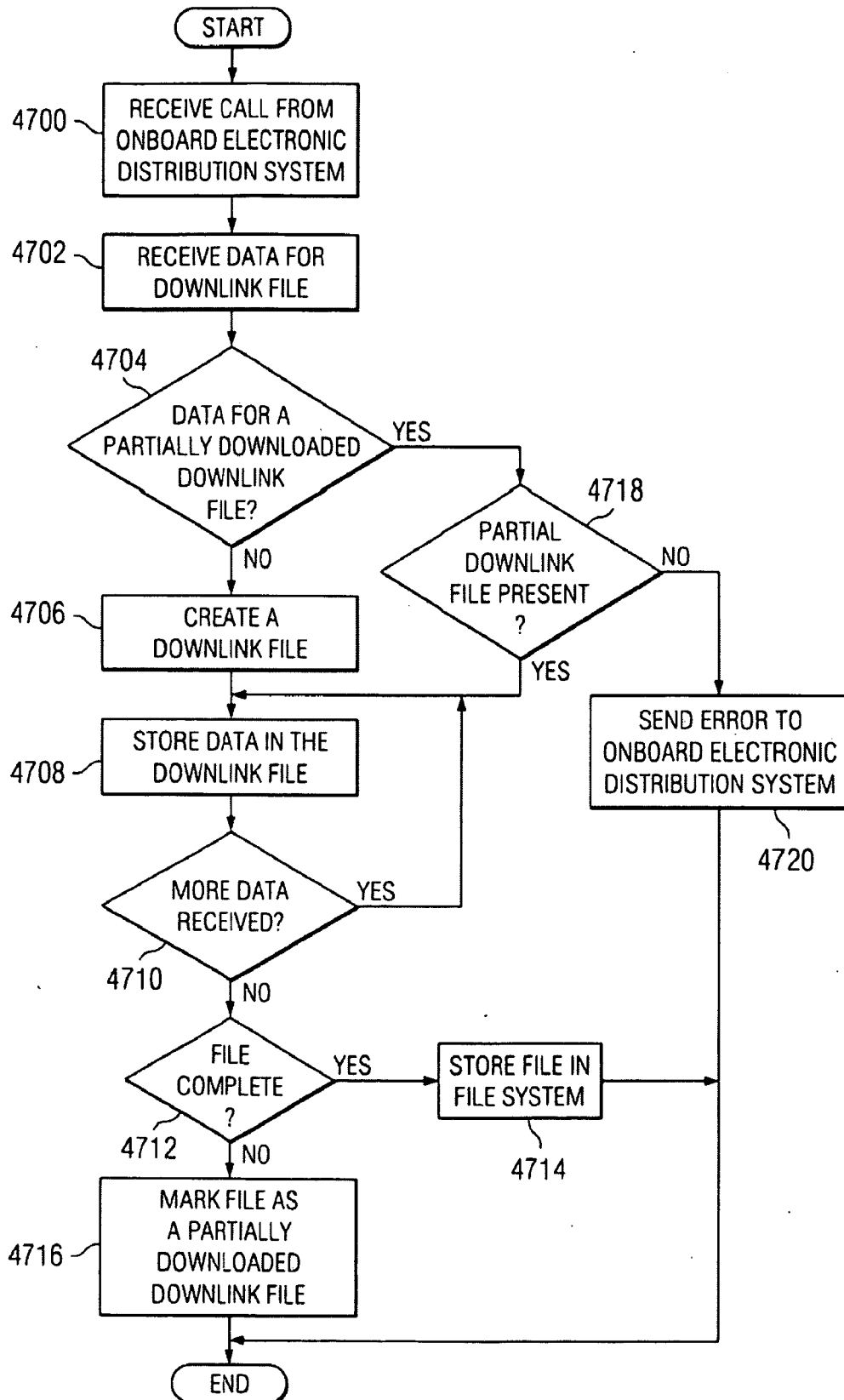


FIG. 47

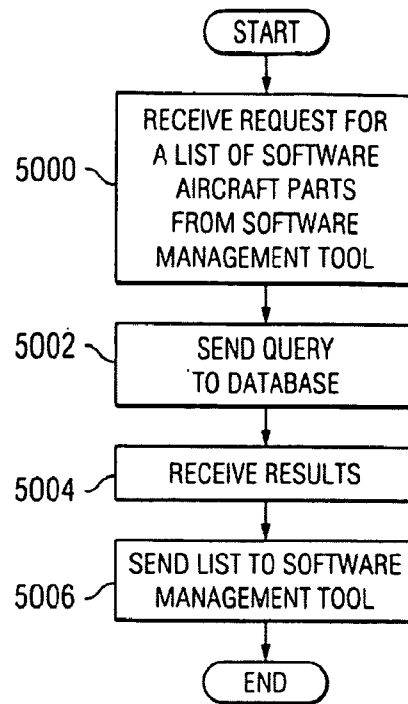


FIG. 50

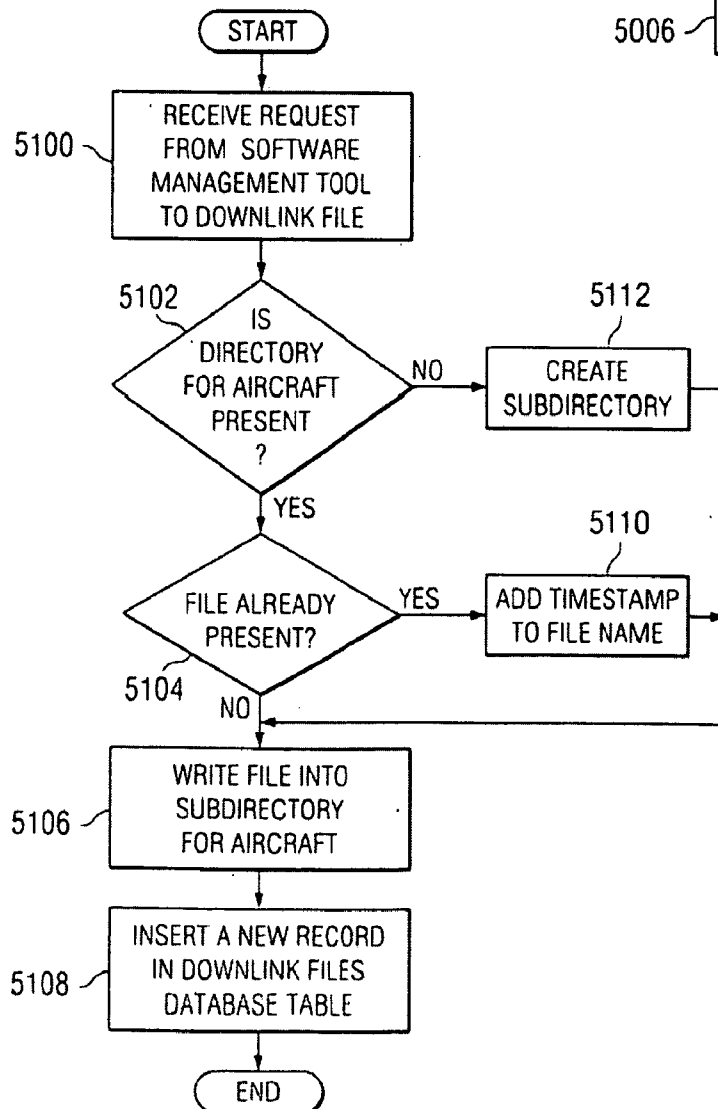
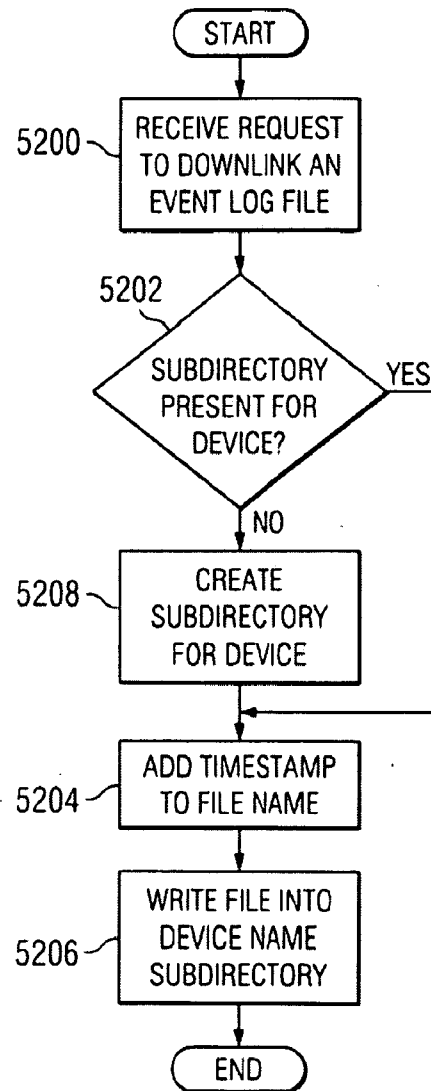


FIG. 51

*FIG. 52*

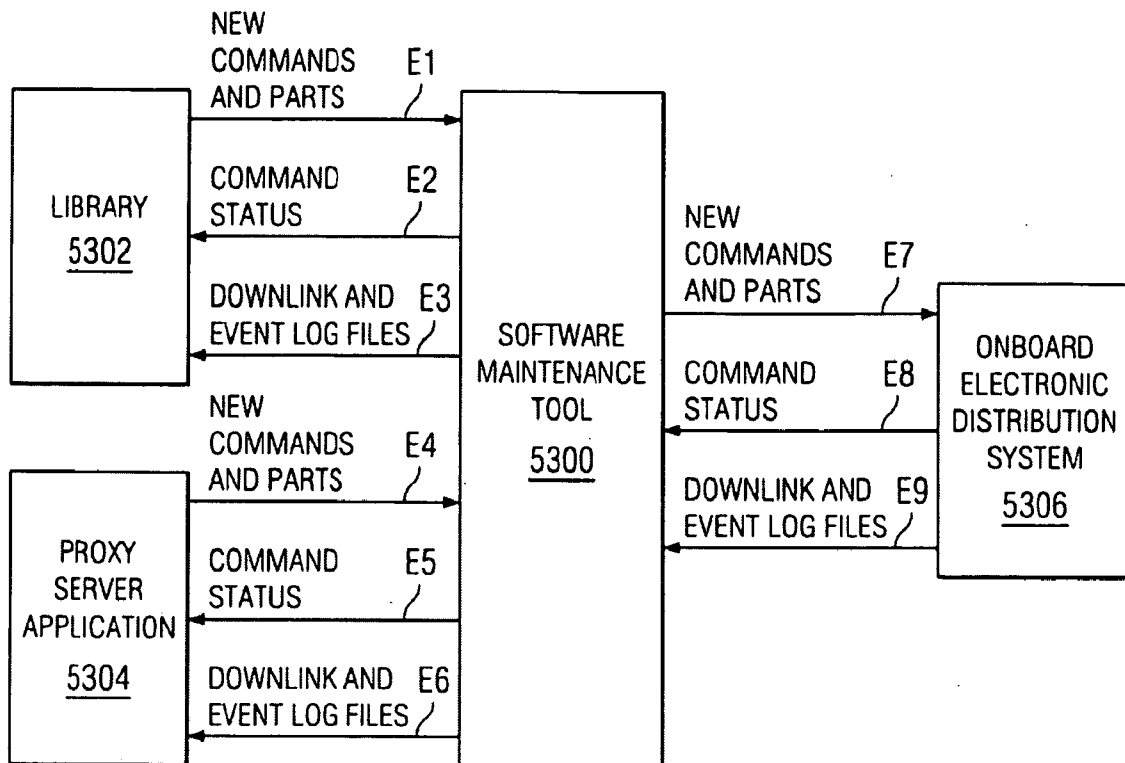


FIG. 53

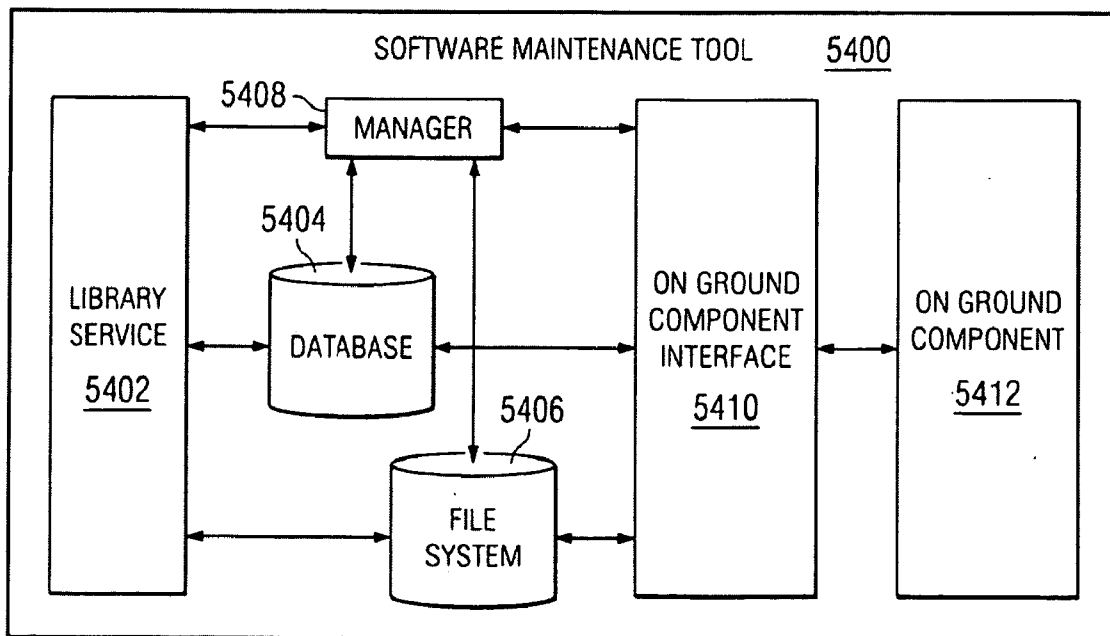


FIG. 54

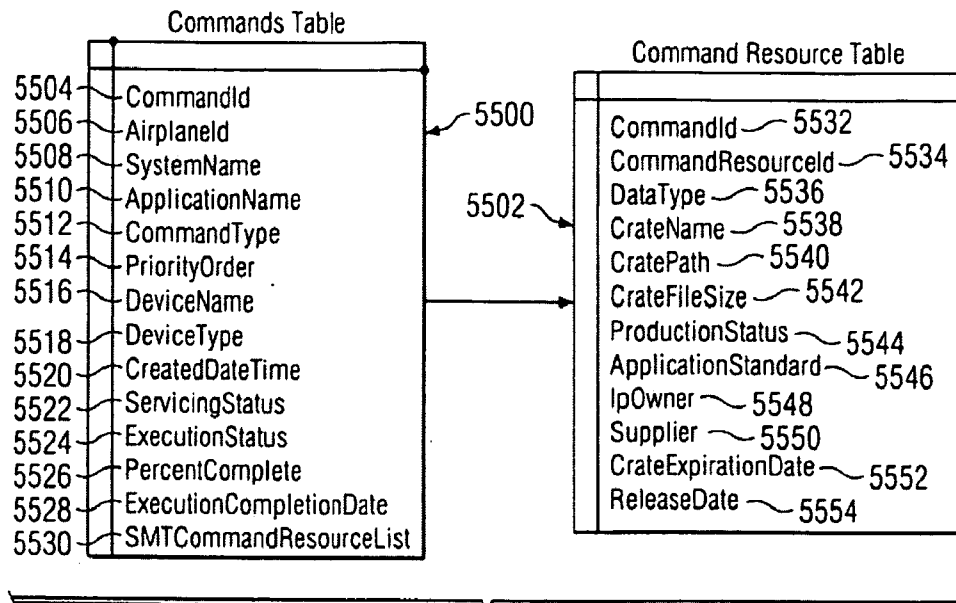


FIG. 55

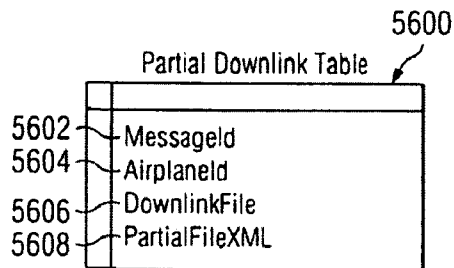


FIG. 56

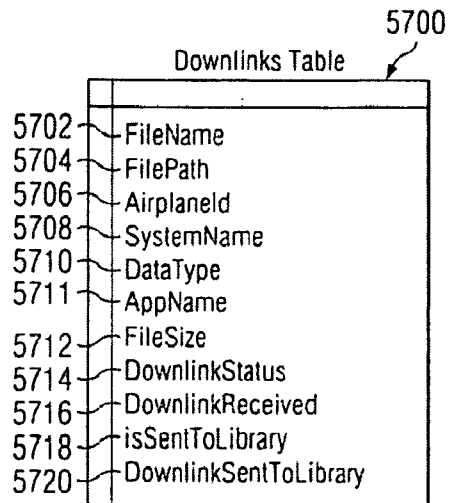


FIG. 57

FIG. 58

C:\787\SMT
 5802 ~ Parts\
 5804 ~ Downlinks\
 <airplaneTailNumber>\
 ...
 <airplaneTailNumber>\
 5806 ~ DownlinksUnpackDir\
 5808 ~ Route\
 5810 ~ App\
 SMT.log
 EventLogger.log
 EventLogger.log.<date> (saved by date when create new one)
 EventsConsoleLog.txt
 5812 ~ Logs\
 EventLogger.xml
 5814 ~ Conf\
 Ground.properties
 SMTPropertiesEditorDefinition.xml
 Ogc.log
 Ogc.logging.properties

5800

5900

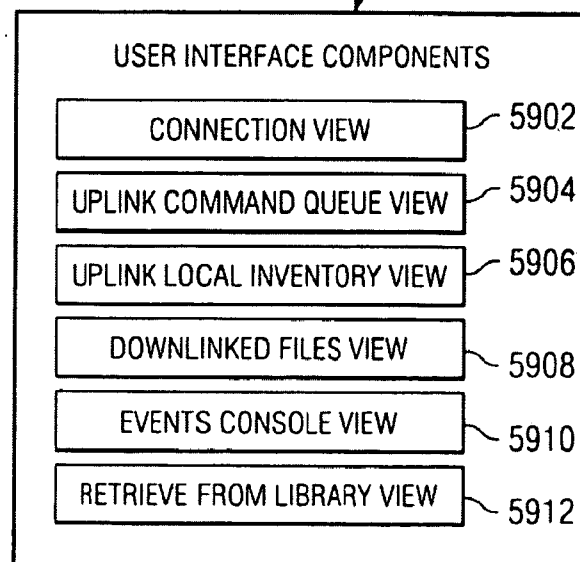


FIG. 59

Software Maintenance Tool (version 1.2)

File Tools Help

Device SMT Seattle connected to Airplane N415RC ~ 6012

6014 OBEDS at localhost

6016 Disconnect

Uplink Command Queue Uplink Local Inventory Downloaded Files Events Console Retrieve From Library

6002 6004 6006 6008 6010

Qal23 N415RC

TST-Z-123-456-0.zip to be uplinked to System IFE, Application IFEUP

TST-Z-123-456-0.zip to be uplinked to System CSM, Application CSM

TST-Z-123-456-0.zip to be uplinked to System CSM, Application CSM

TST-Z-123-456-0.zip to be uplinked to System IFE, Application IFEUP

TST-Z-123-456-0.zip to be uplinked to System CIS, Application CSSUP

TST-Z-123-456-0.zip to be uplinked to System CSS, Application CSSUP

TST-Z-123-456-0.zip to be uplinked to System ACM, Application ACMFREP

xxx20-7160-5968_24_PDRG_OPS.zip to be uplinked to System CIS, Application OSM

6100

Delete Command(s)

6102

6103

Uplink Command Queue for Airplane N415RC

Item	Expiration	Priority	Destination System	Type	Nomenclature	File Size	Uplink Status	Uplink Status Pro.
123-456-0.zip	2034-07-14 00:3...	1253	IFE:IFEUP	LSAP	General Mills	1511481	Uplink in progress...	☐
123-456-0.zip	2034-07-14 00:3...	1254	CSM:CSM	LSAP	General Mills	1511481	Uplink in progress...	☐
123-456-0.zip	2034-07-14 00:3...	1258	CSM:CSM	LSAP	General Mills	1511481	Uplink in progress...	1
123-456-0.zip	2034-07-14 00:3...	1262	IFE:IFEUP	LSAP	General Mills	1511481	Uplink in progress...	1
123-456-0.zip	2034-07-14 00:3...	1266	CIS:OSM	LSAP	General Mills	1511481	Uplink in progress...	☐
123-456-0.zip	2034-07-14 00:3...	1270	CIS:CSSUP	LSAP	General Mills	1511481	Uplink in progress...	☐
123-456-0.zip	2034-07-14 00:3...	1274	ACM:ACMFREP	LSAP	General Mills	1511481	Uplink in progress...	☐
7160-5968_2...	2020-01-20 22:5...	1275	CIS:OSM	FILE	Boeing	1358868	Uplink in progress...	☐

6104 6106 6108 6110 Reiry Uplinking Selected Part(s)

6114 6116 6118 6120

FIG. 61

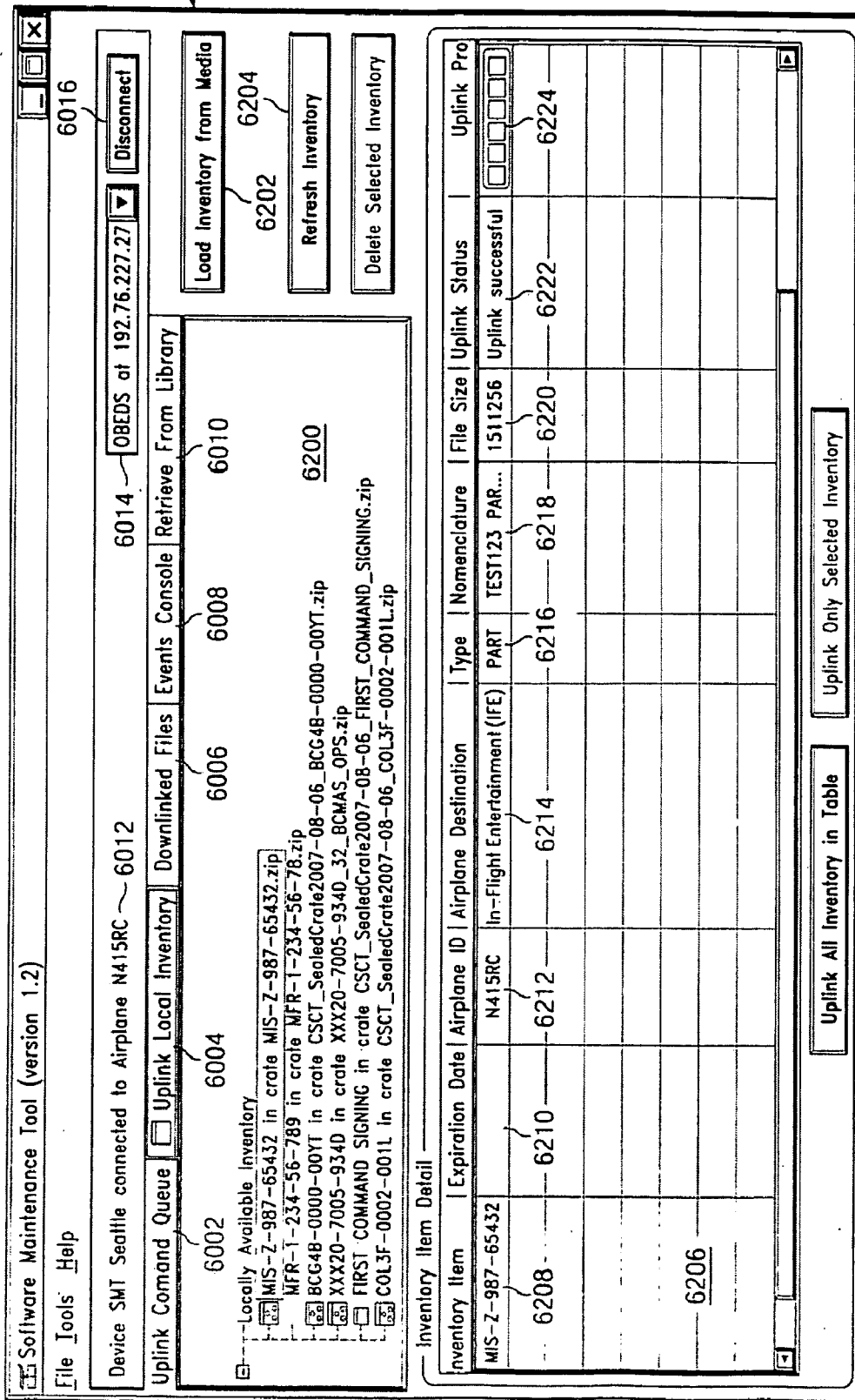


FIG. 62

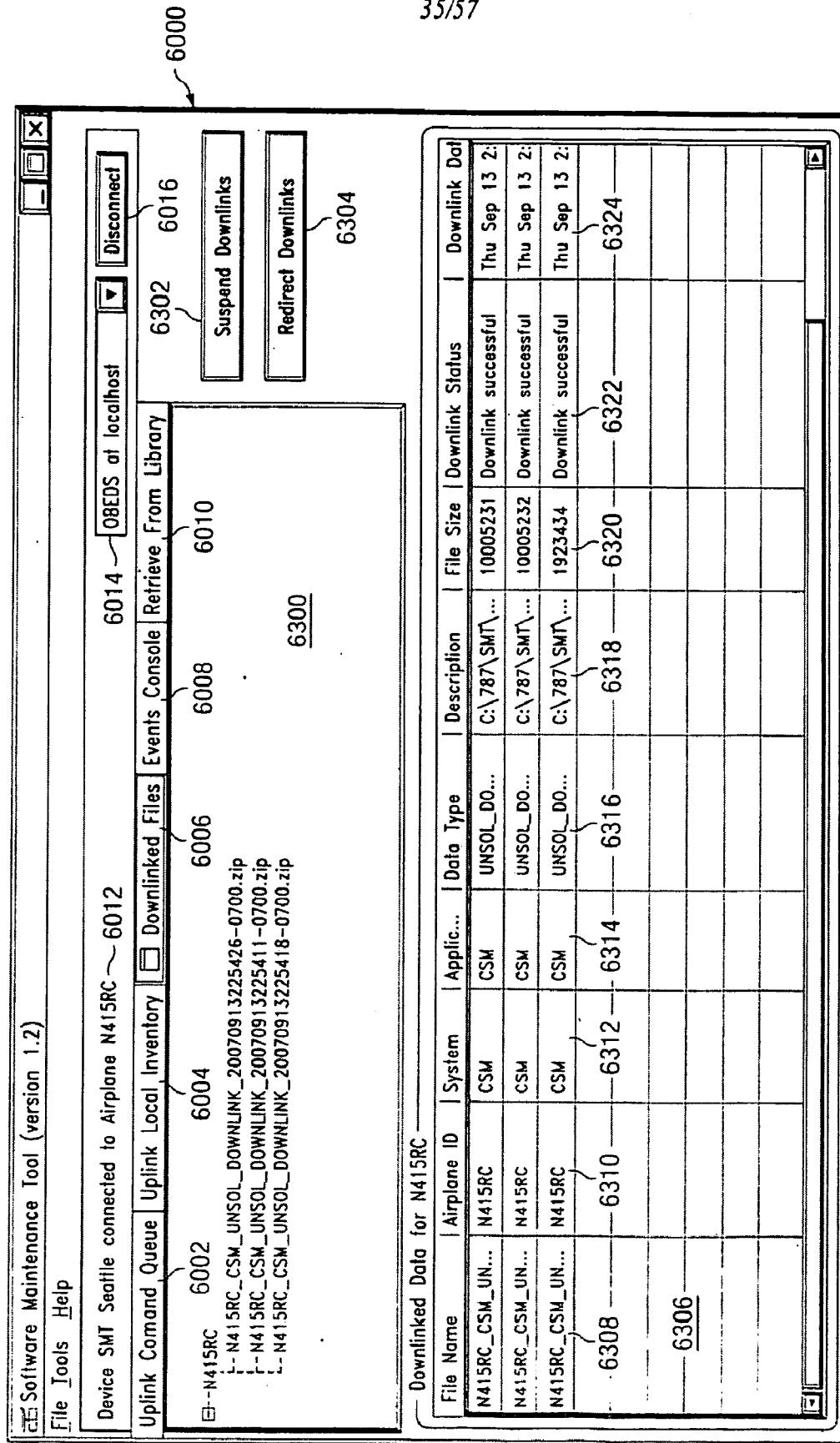


FIG. 63

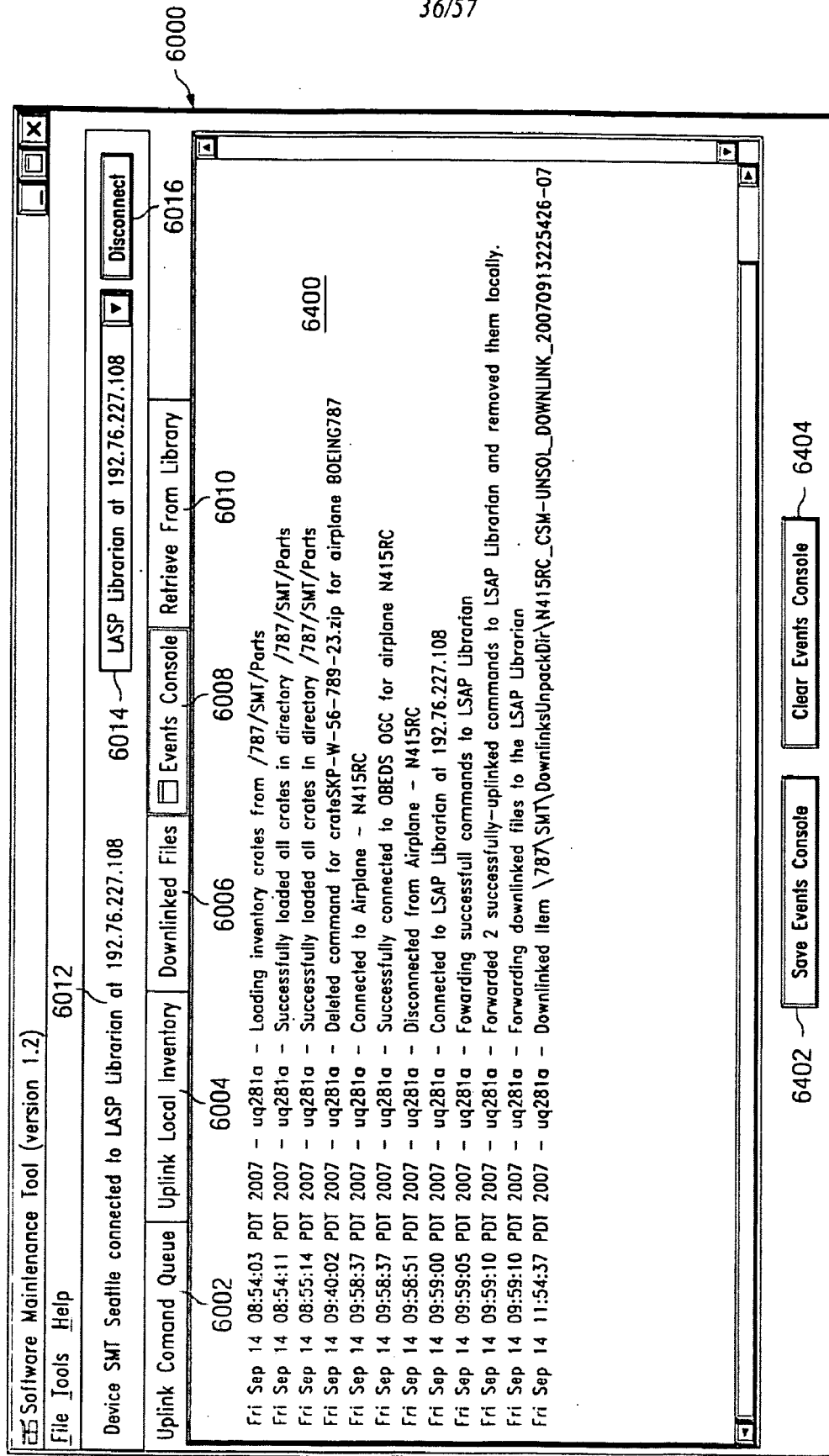


FIG. 64

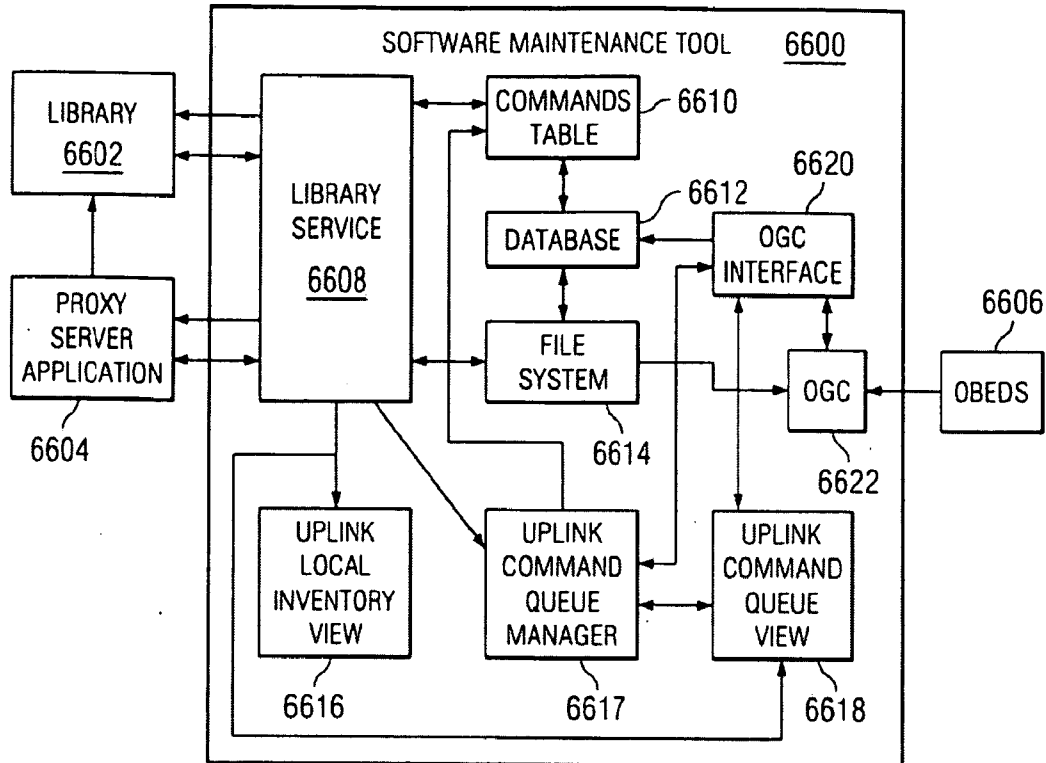


FIG. 66

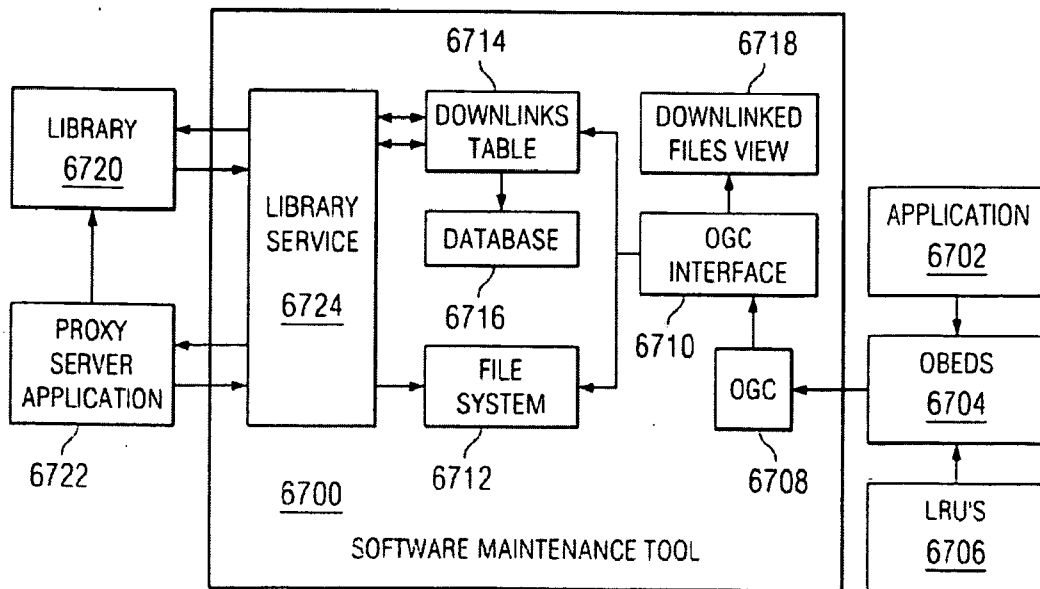


FIG. 67

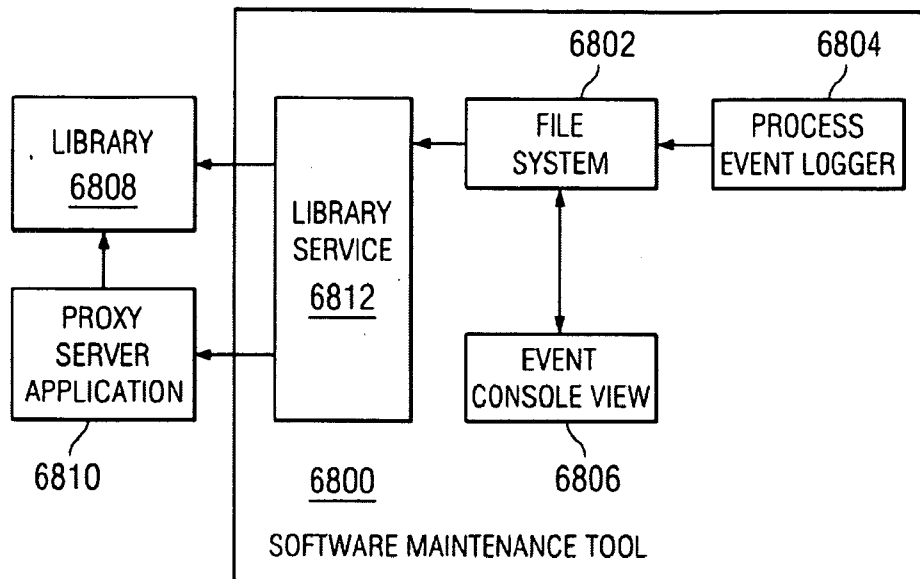


FIG. 68

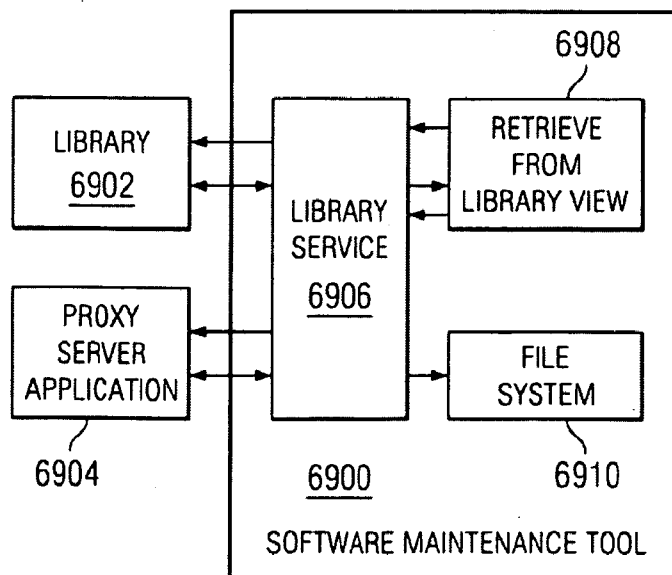


FIG. 69

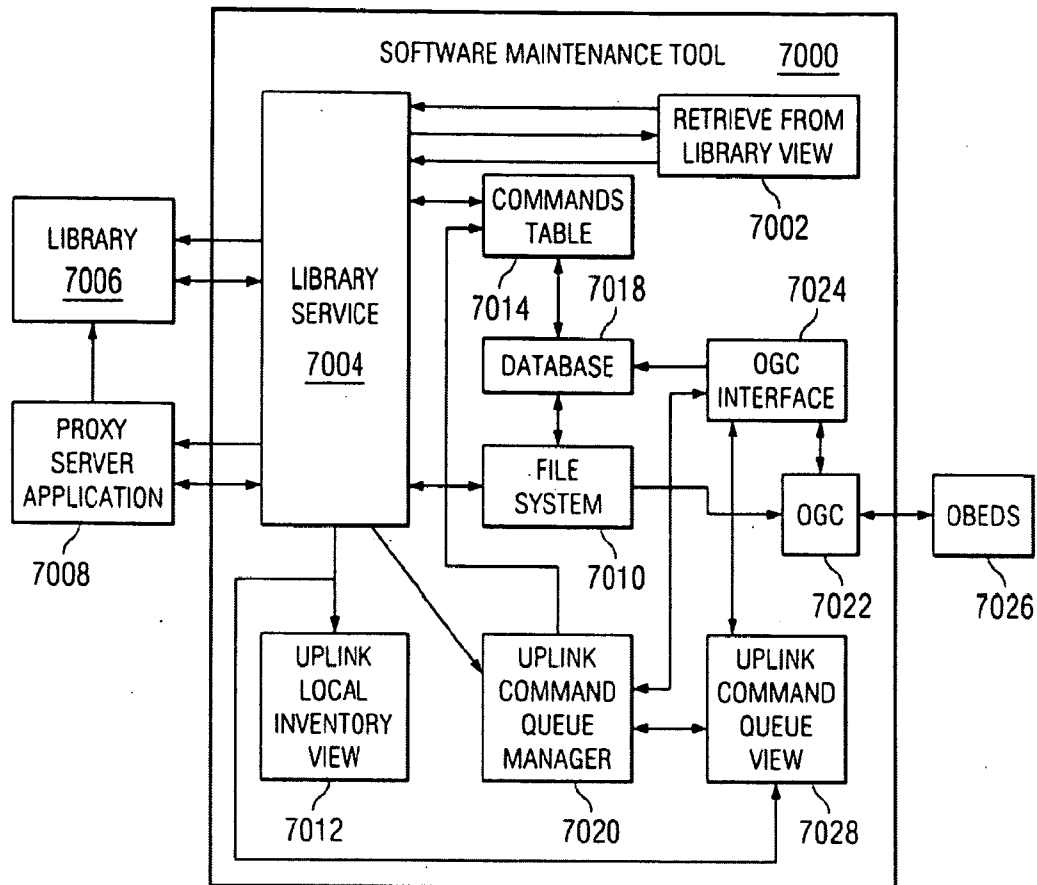


FIG. 70

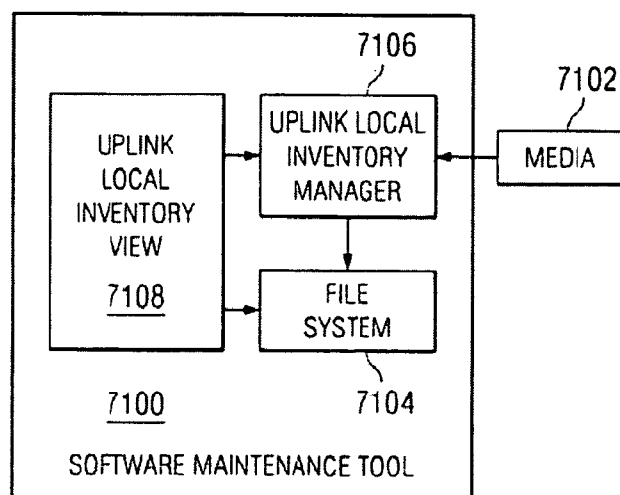


FIG. 71

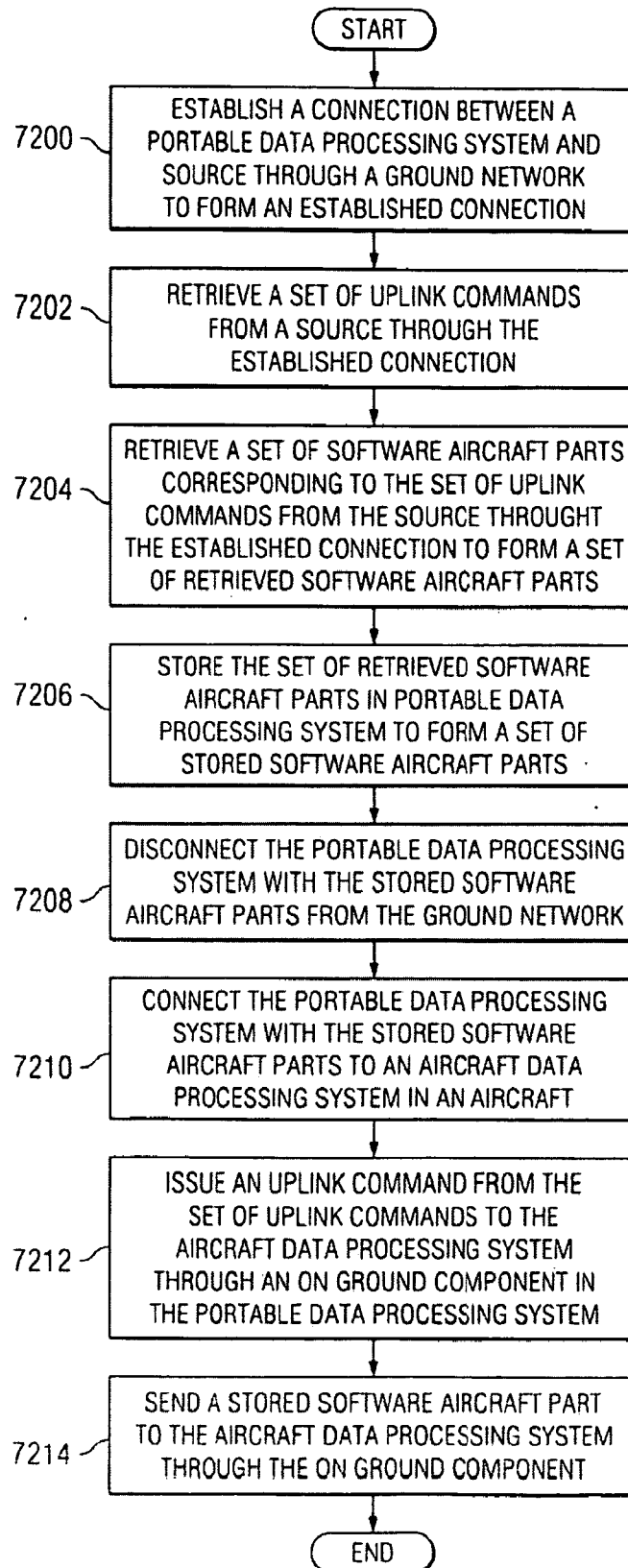


FIG. 72

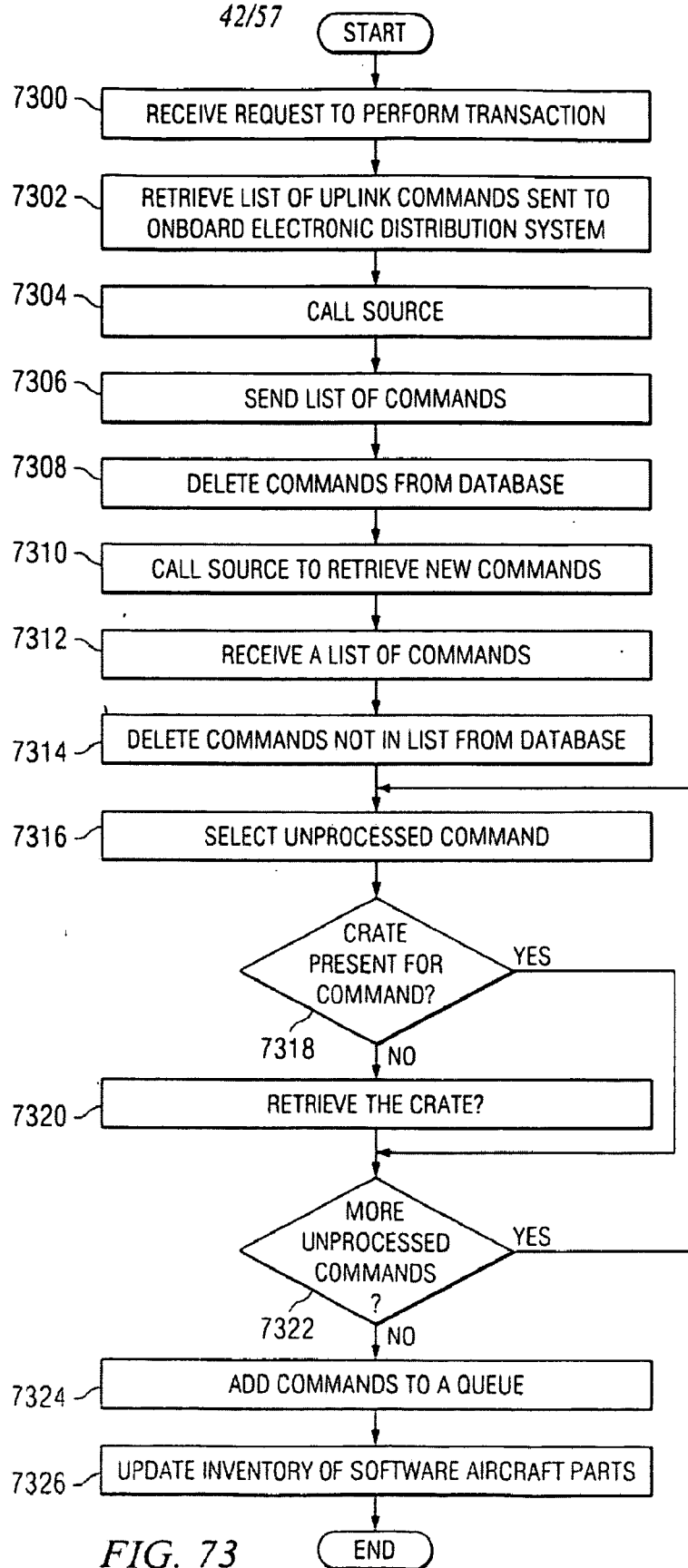


FIG. 73

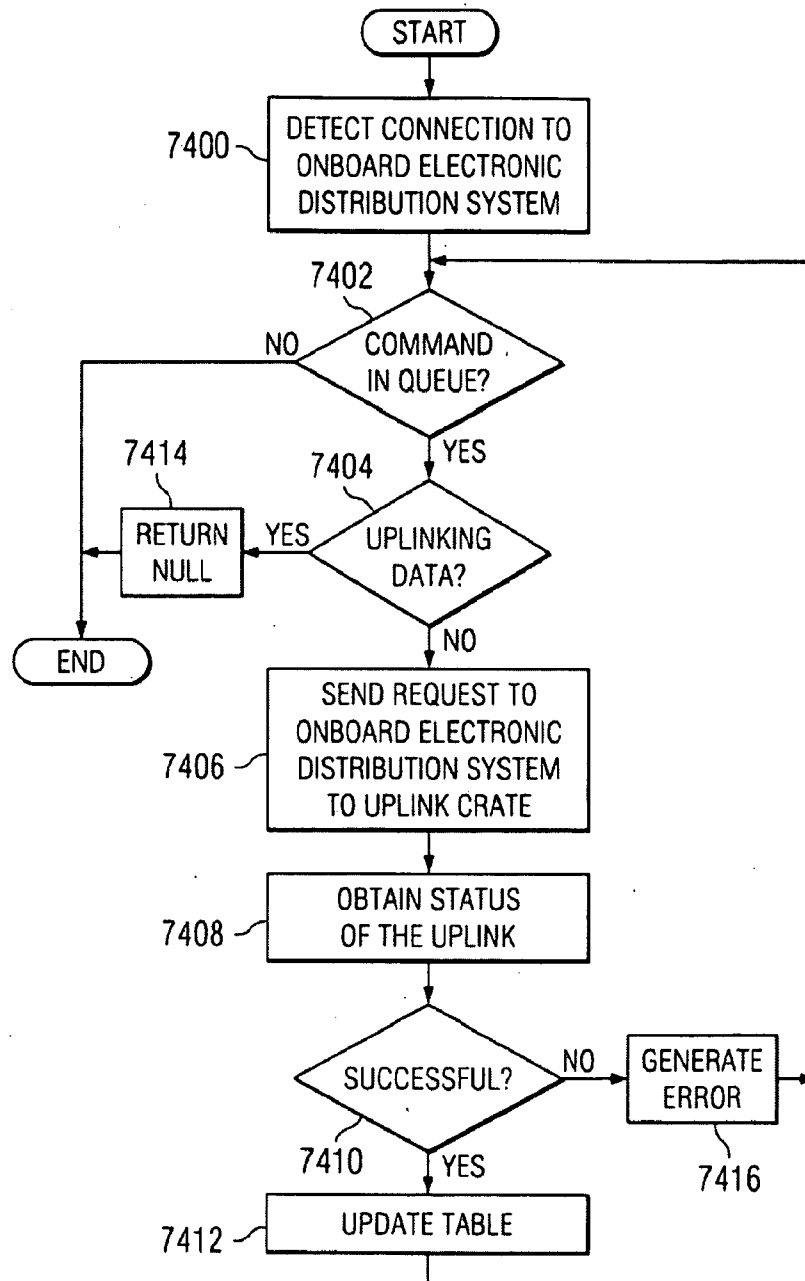


FIG. 74

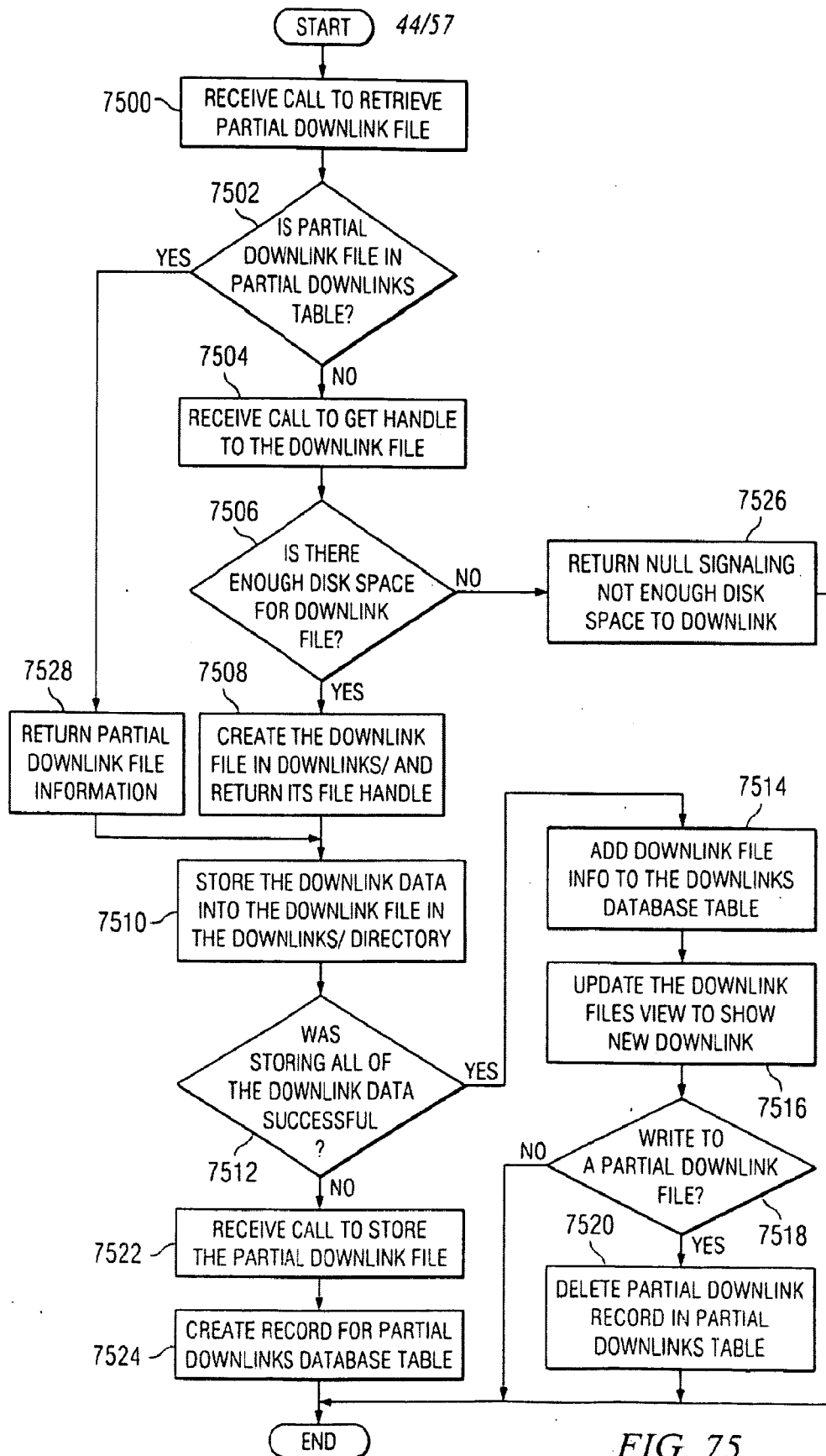


FIG. 75

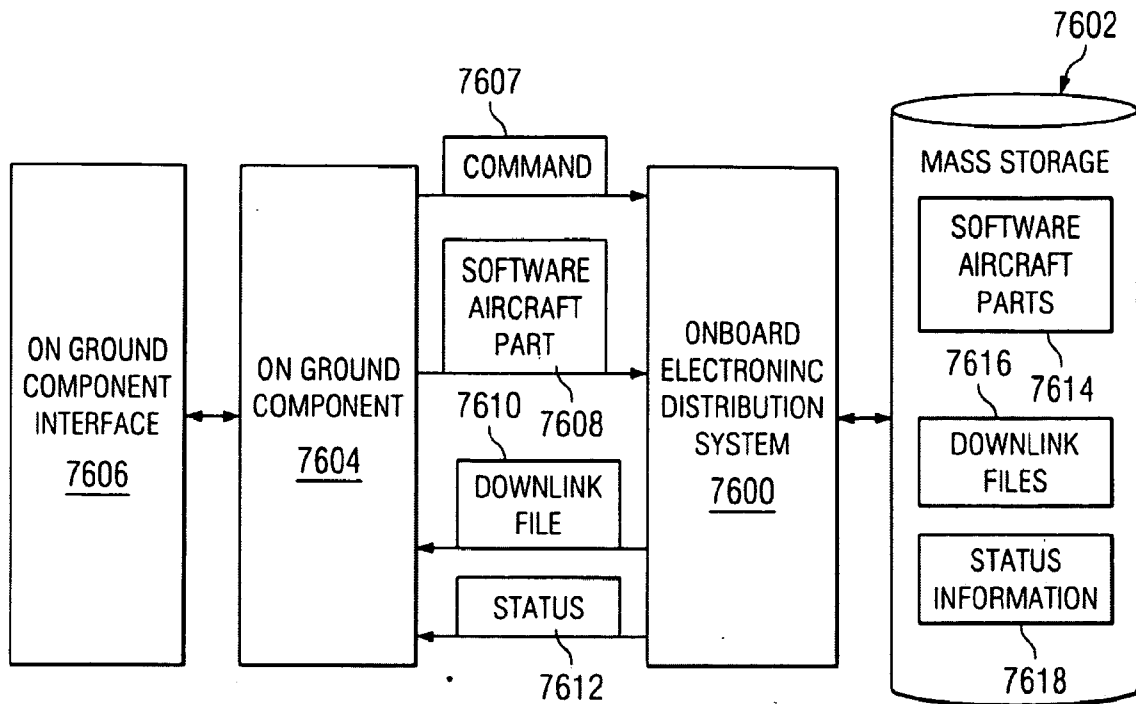


FIG. 76

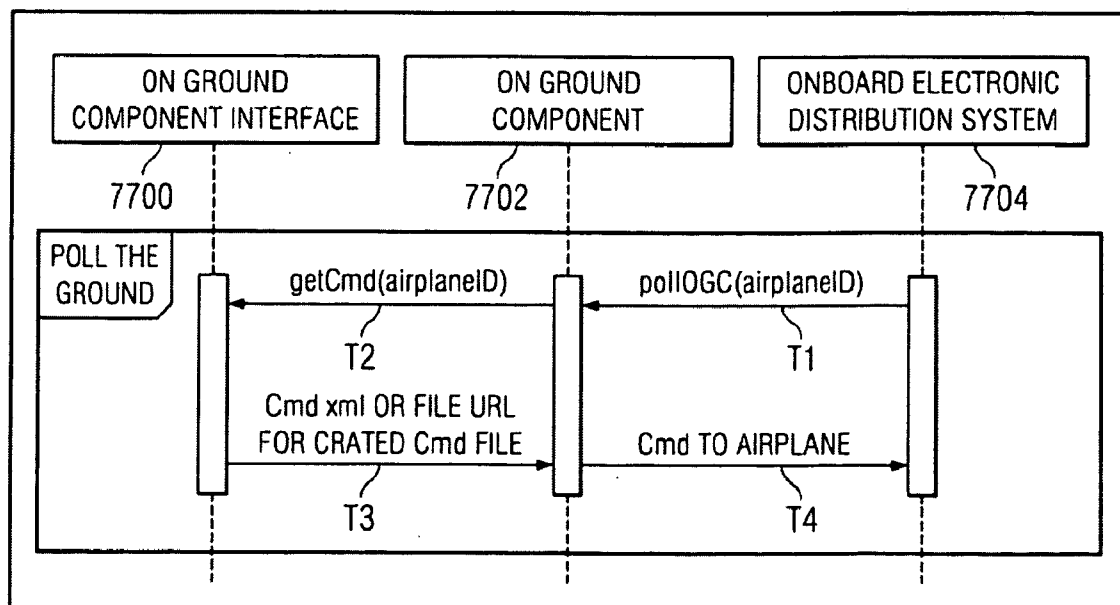


FIG. 77

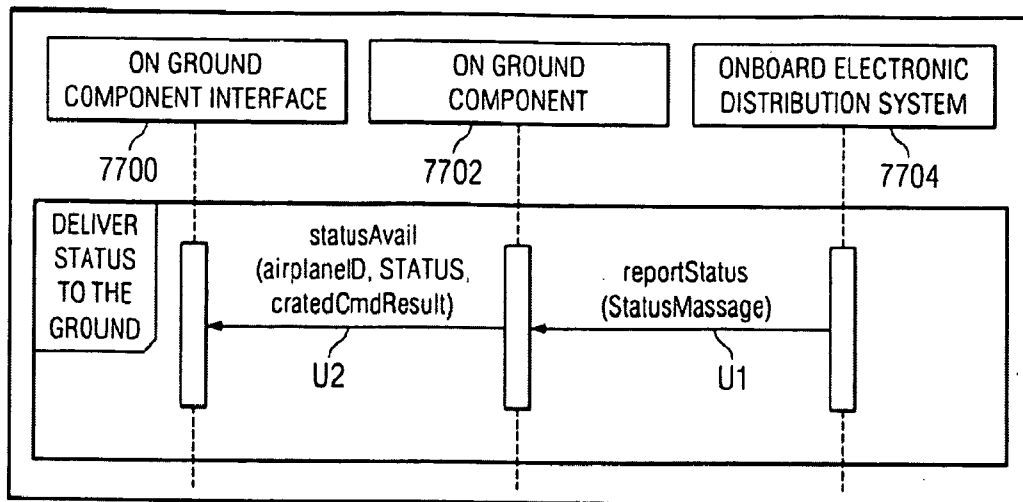


FIG. 78

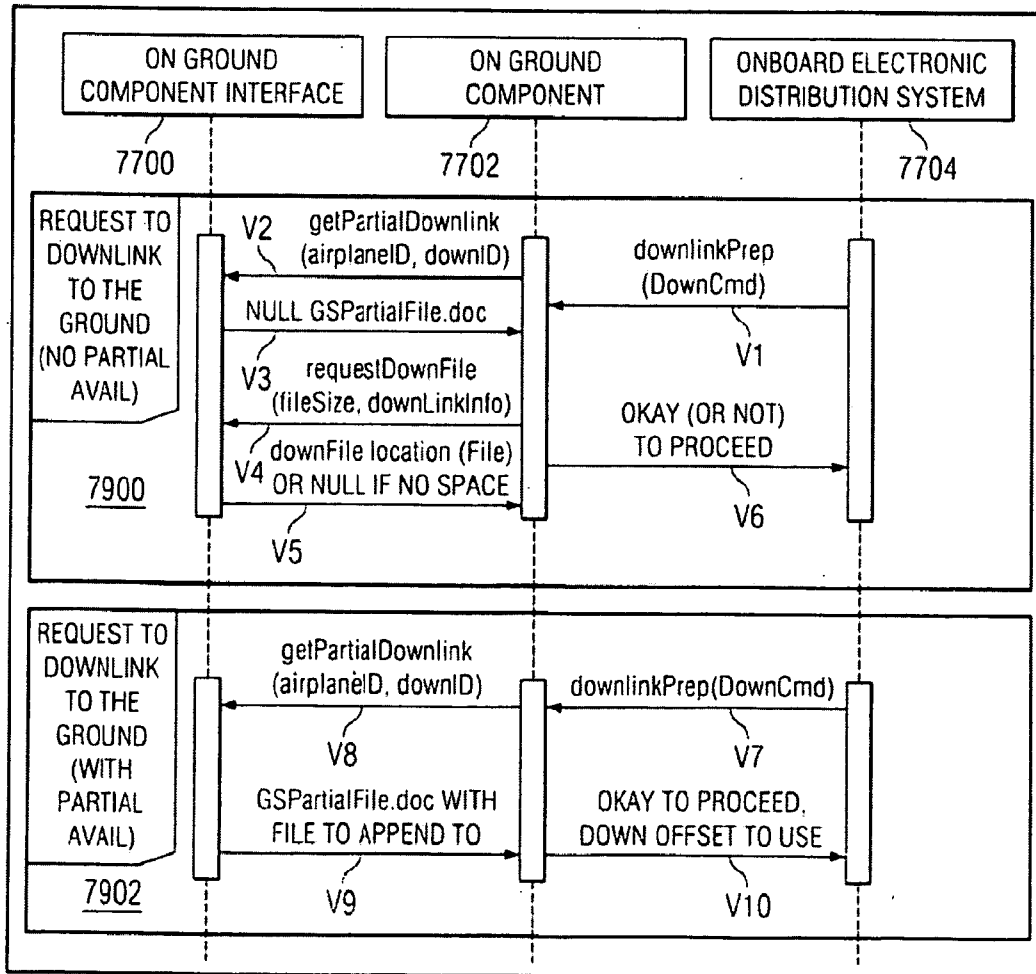


FIG. 79

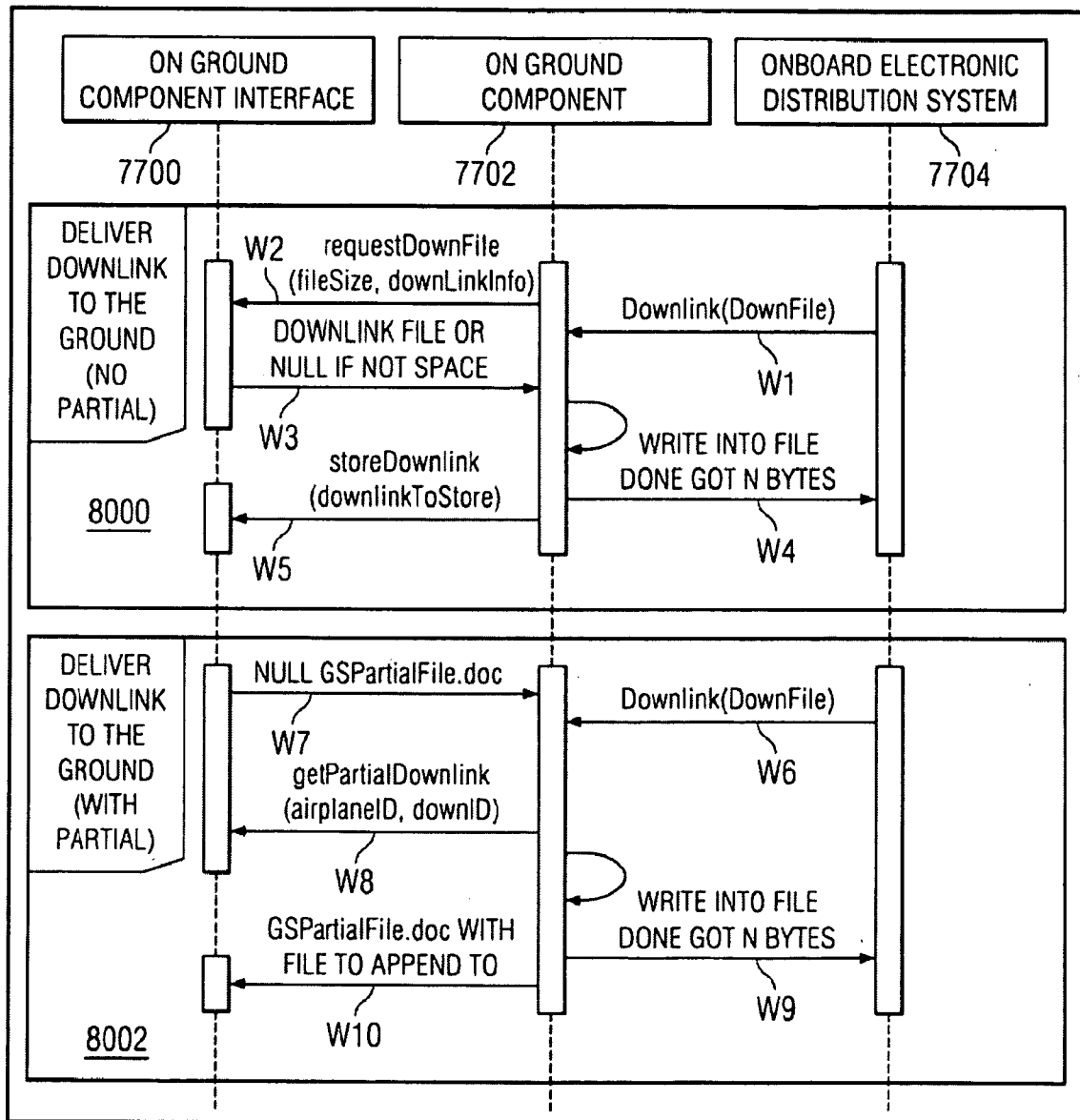


FIG. 80

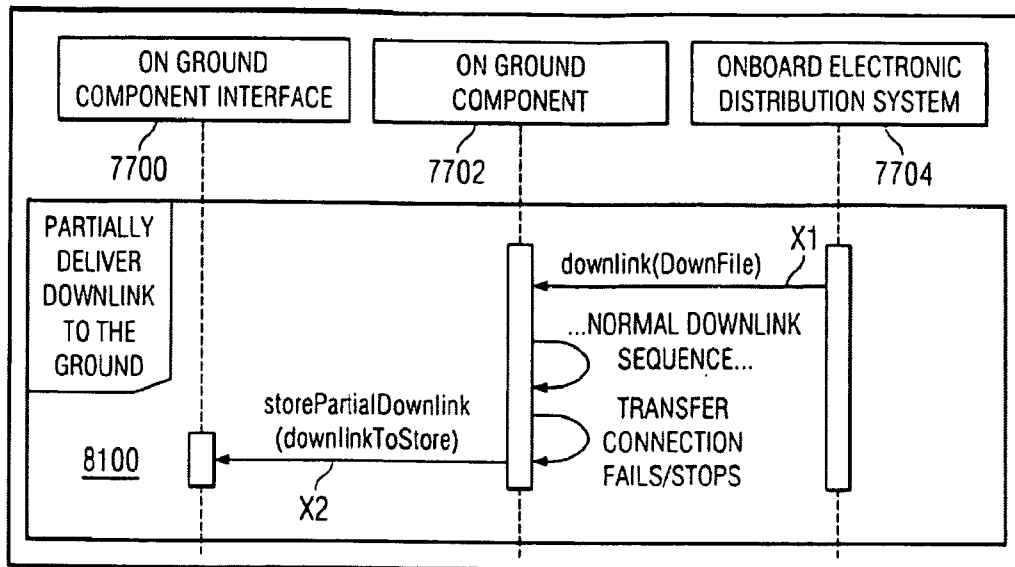


FIG. 81

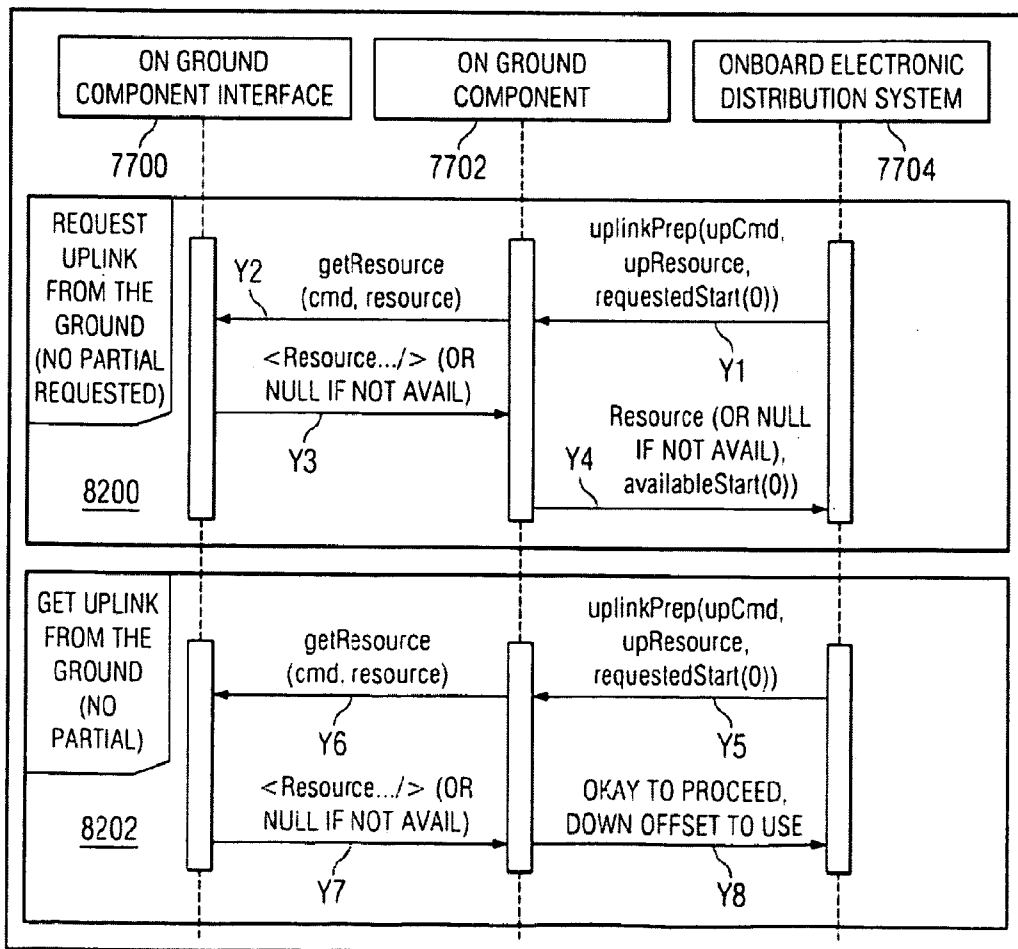


FIG. 82

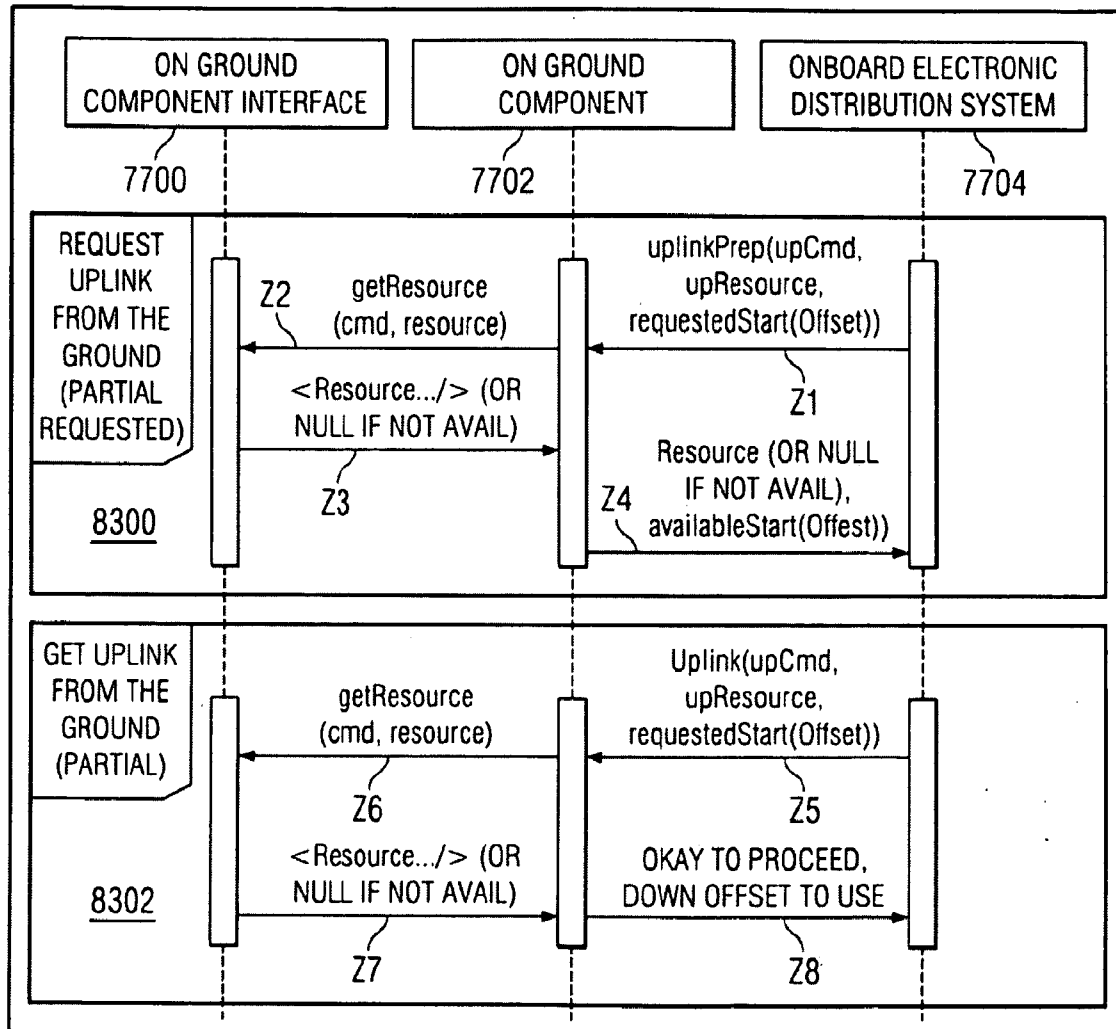


FIG. 83

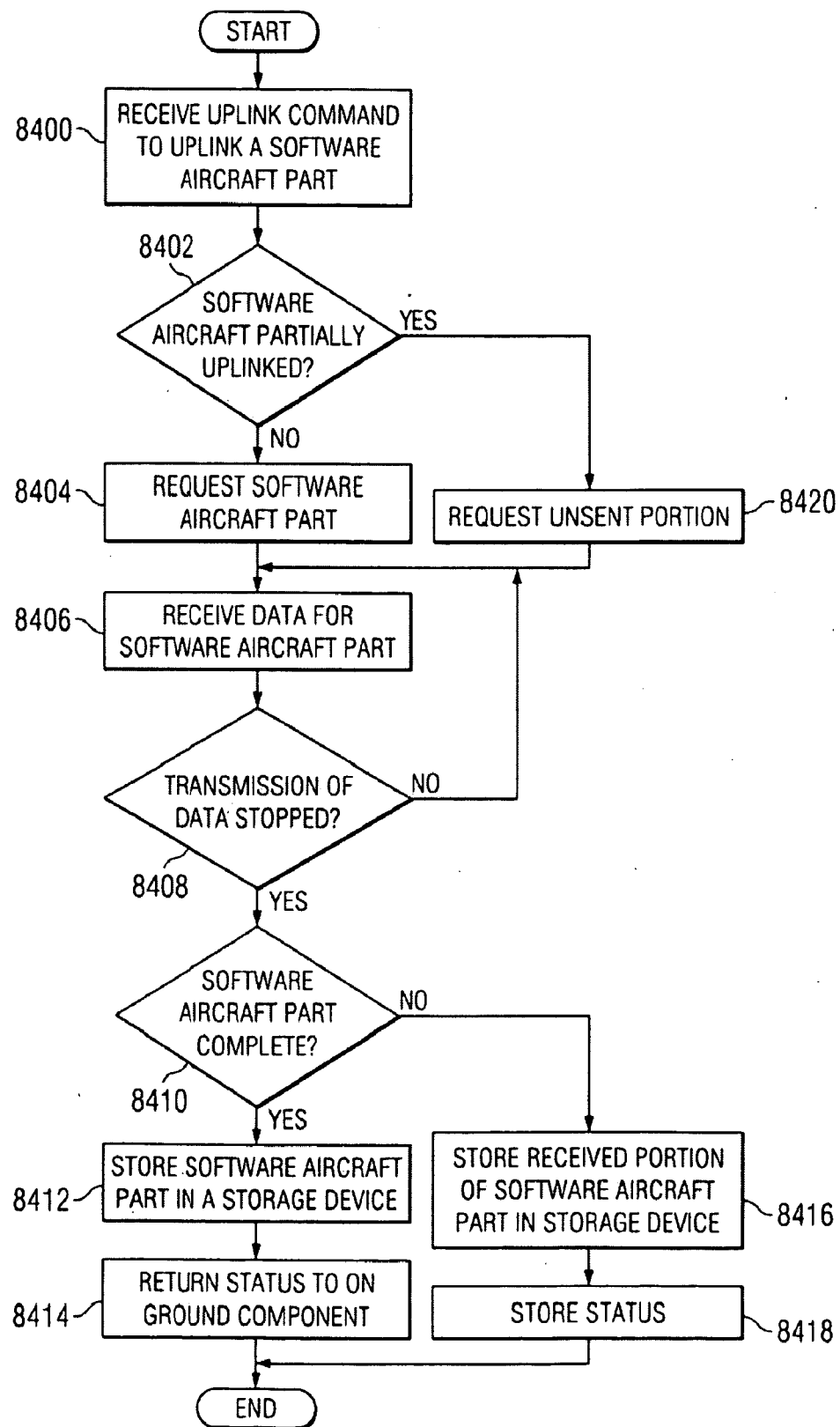


FIG. 84

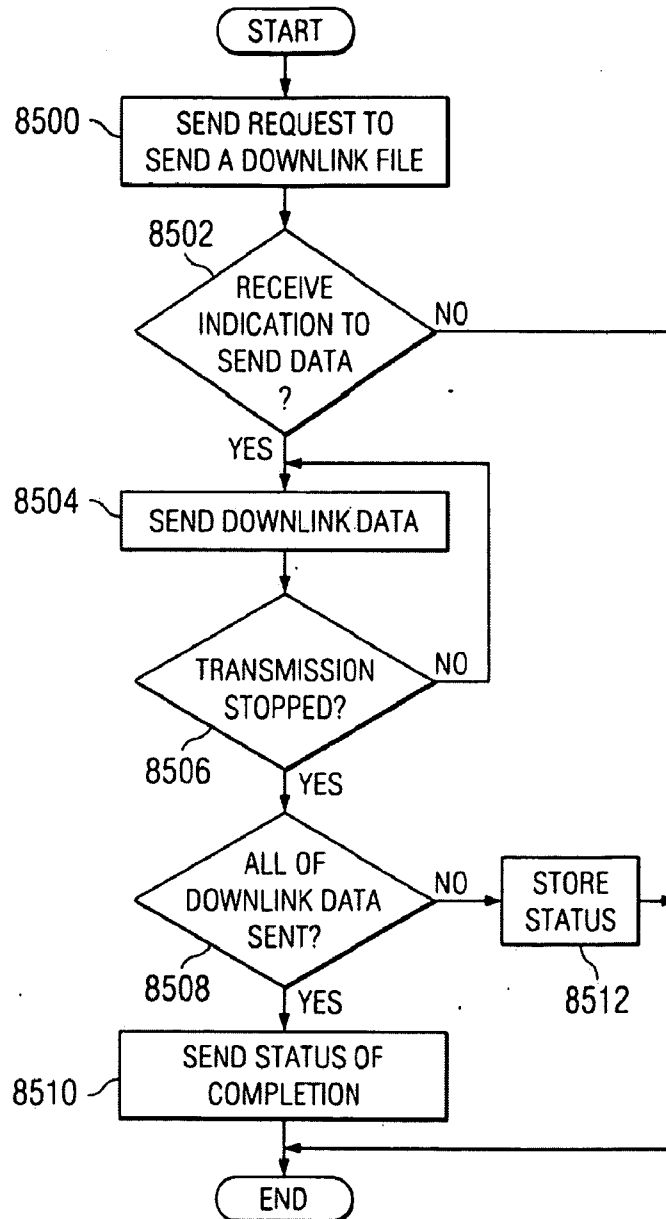
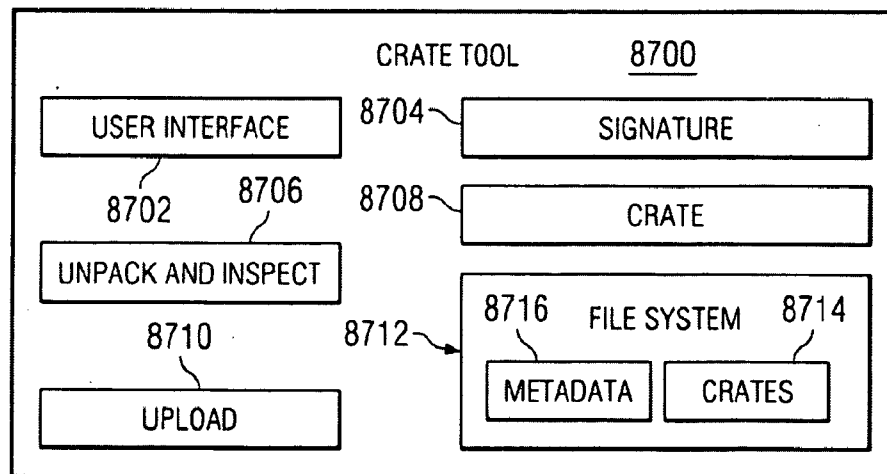
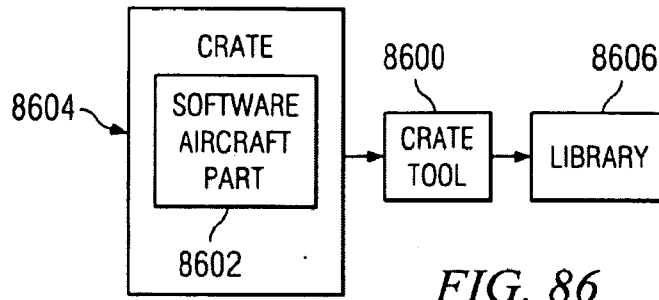


FIG. 85



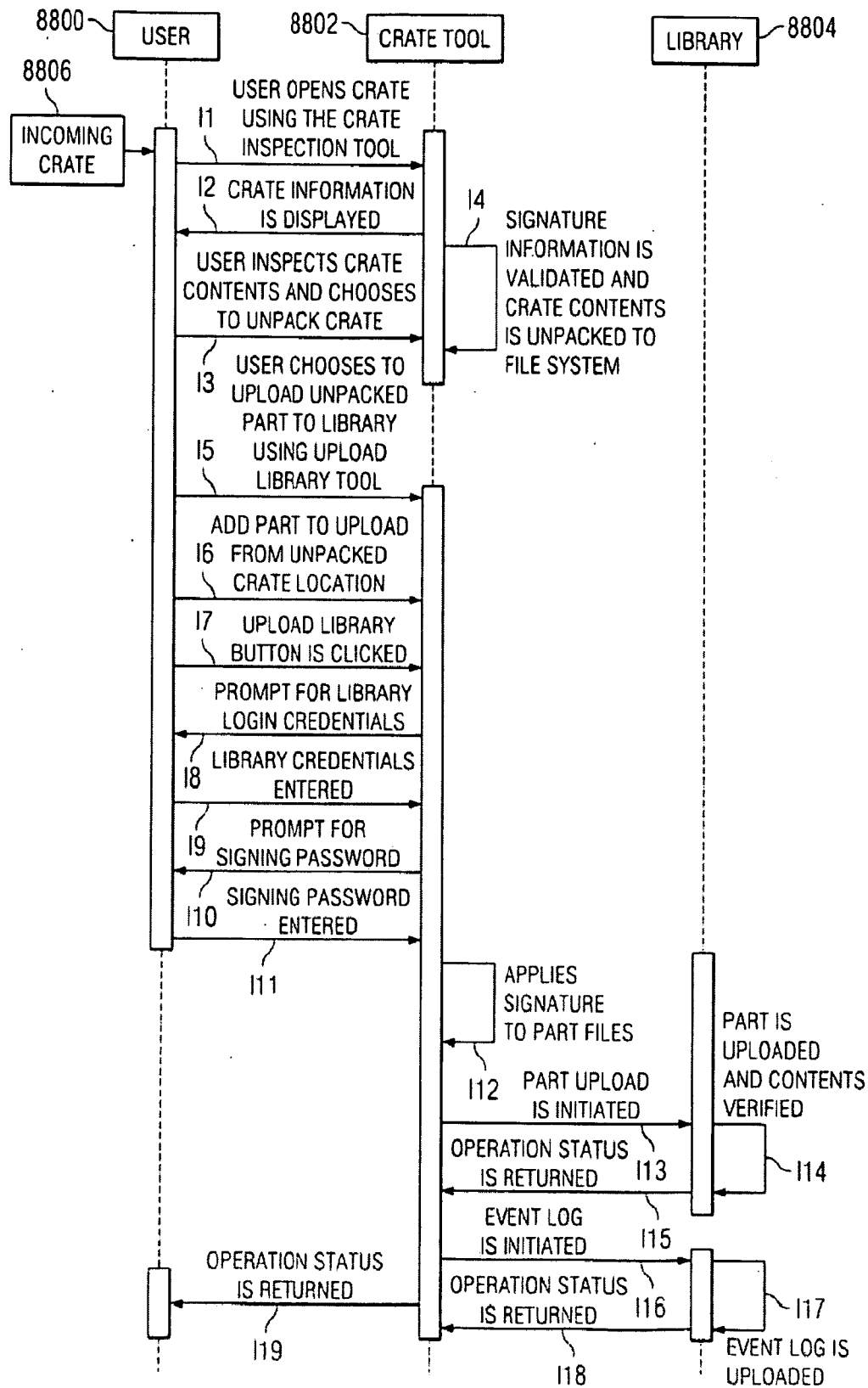


FIG. 88

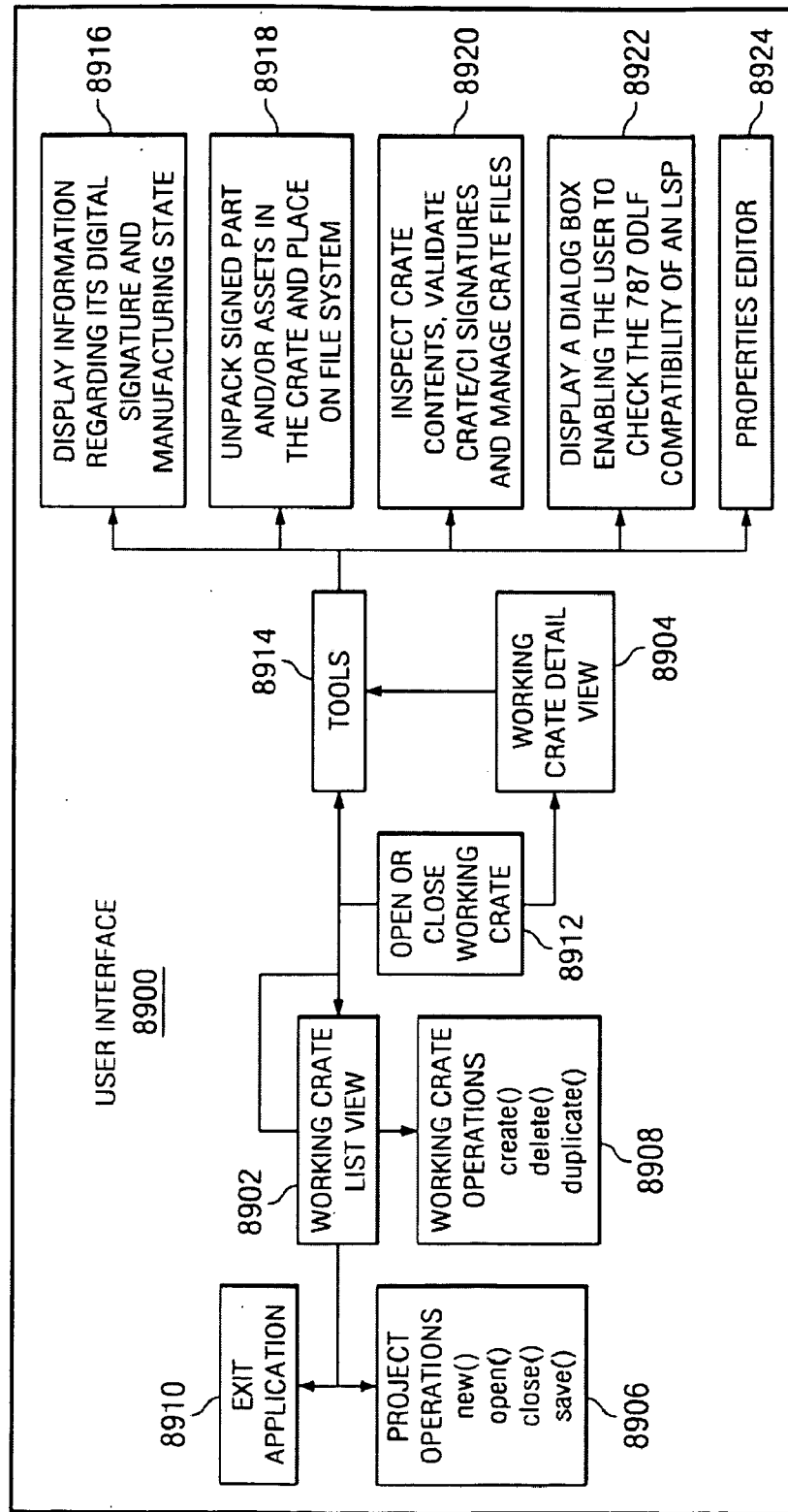
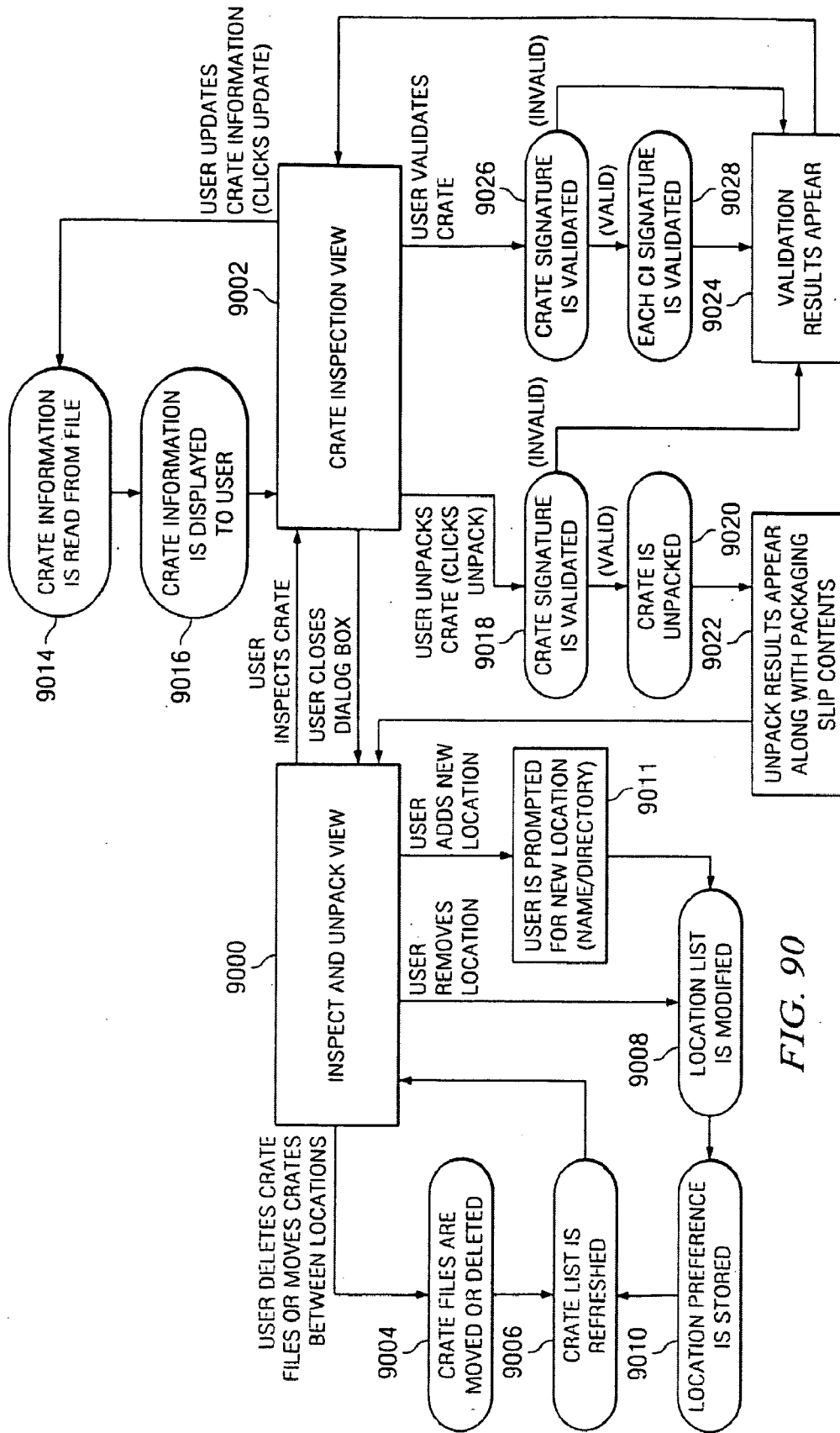
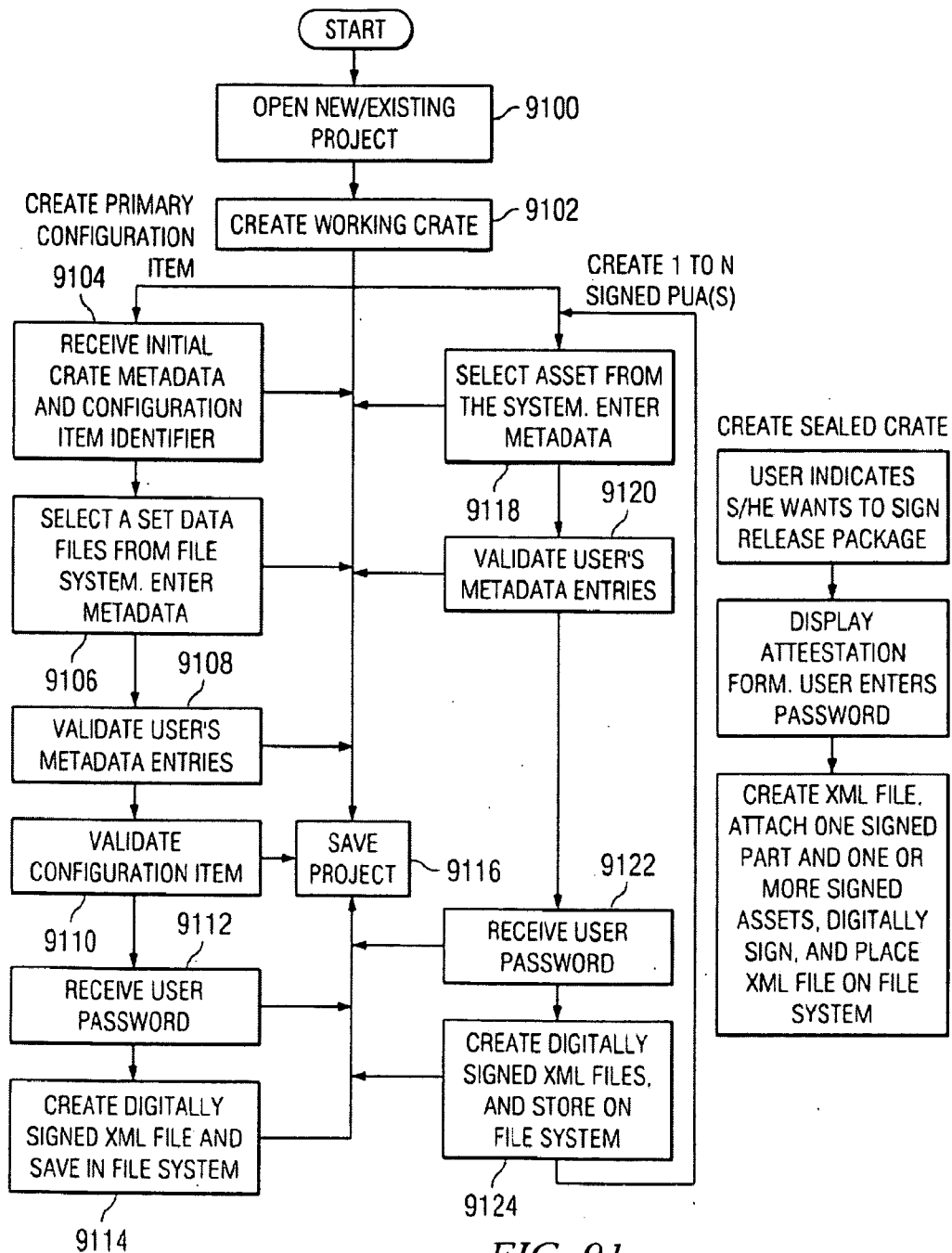


FIG. 89





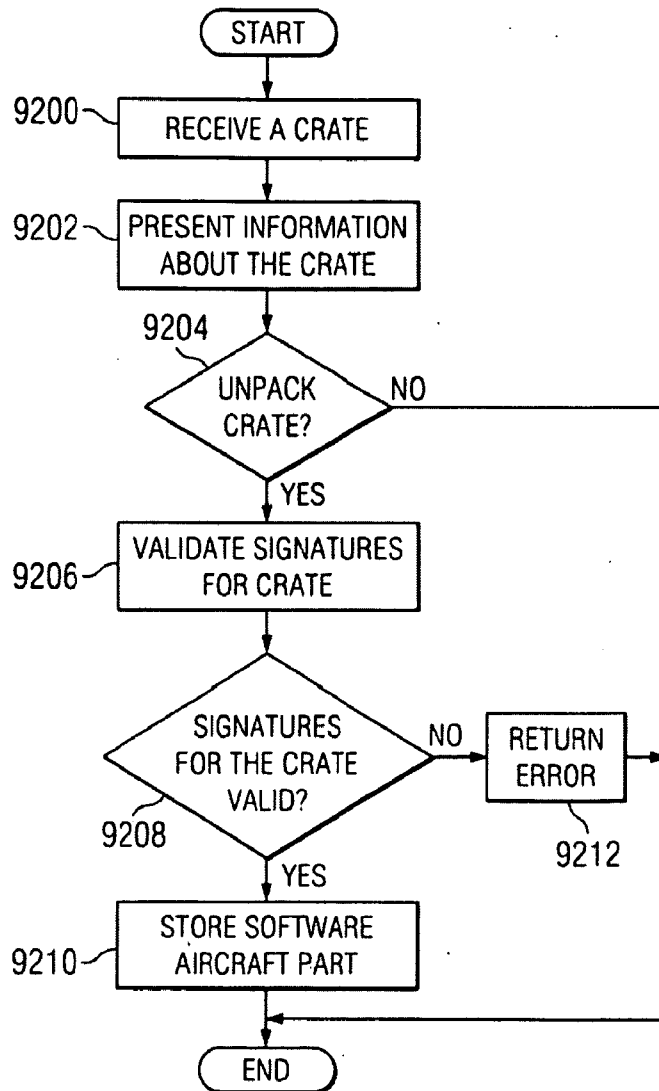


FIG. 92