*G00002*

*163163*

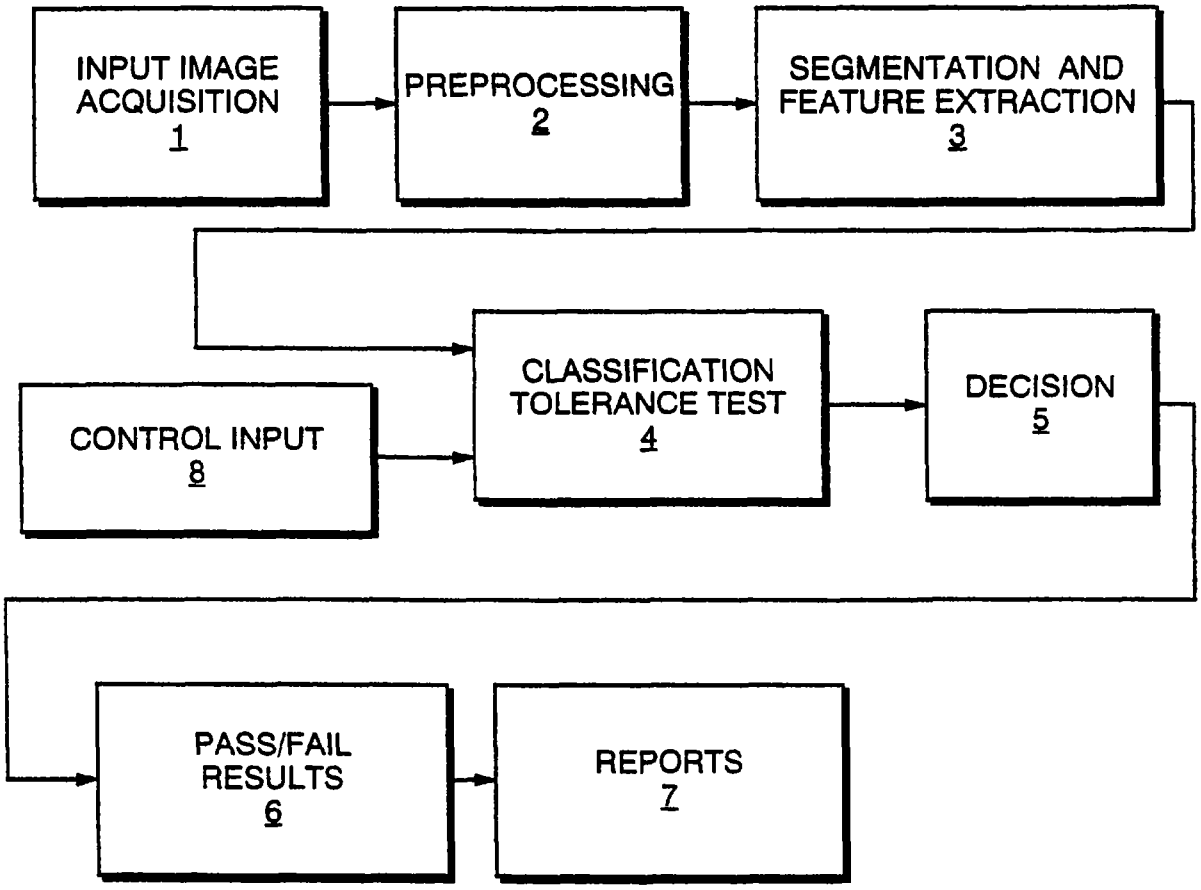



FIG. 1
(PRIOR ART)

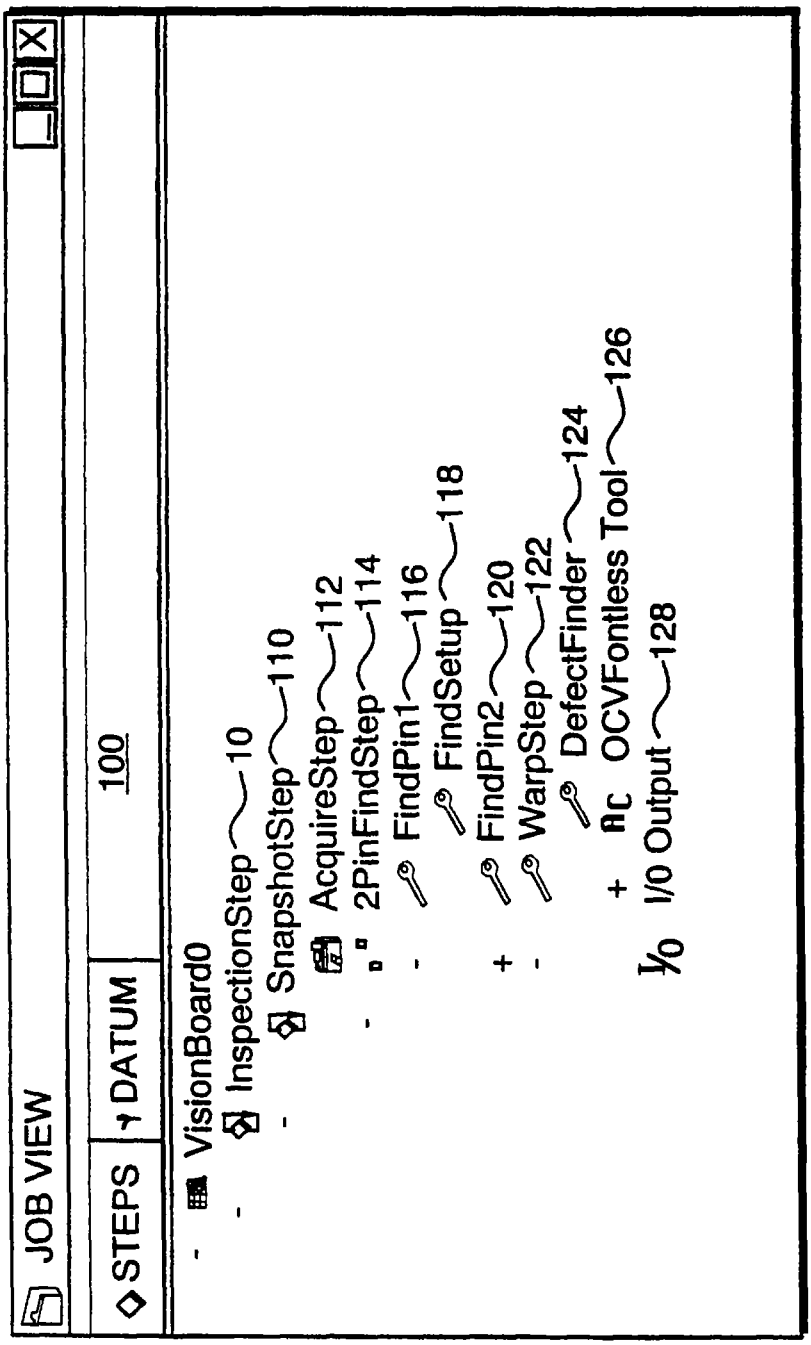

JOB VIEW
STEPS
DATUM
100
VisionBoard0
InspectionStep 10
SnapshotStep 110
AcquireStep 112
2PinFindStep 114
FindPin1 116
FindSetup 118
FindPin2 120
WarpStep 122
DefectFinder 124
OCVFontless Tool 126
I/O Output 128

FIG. 2

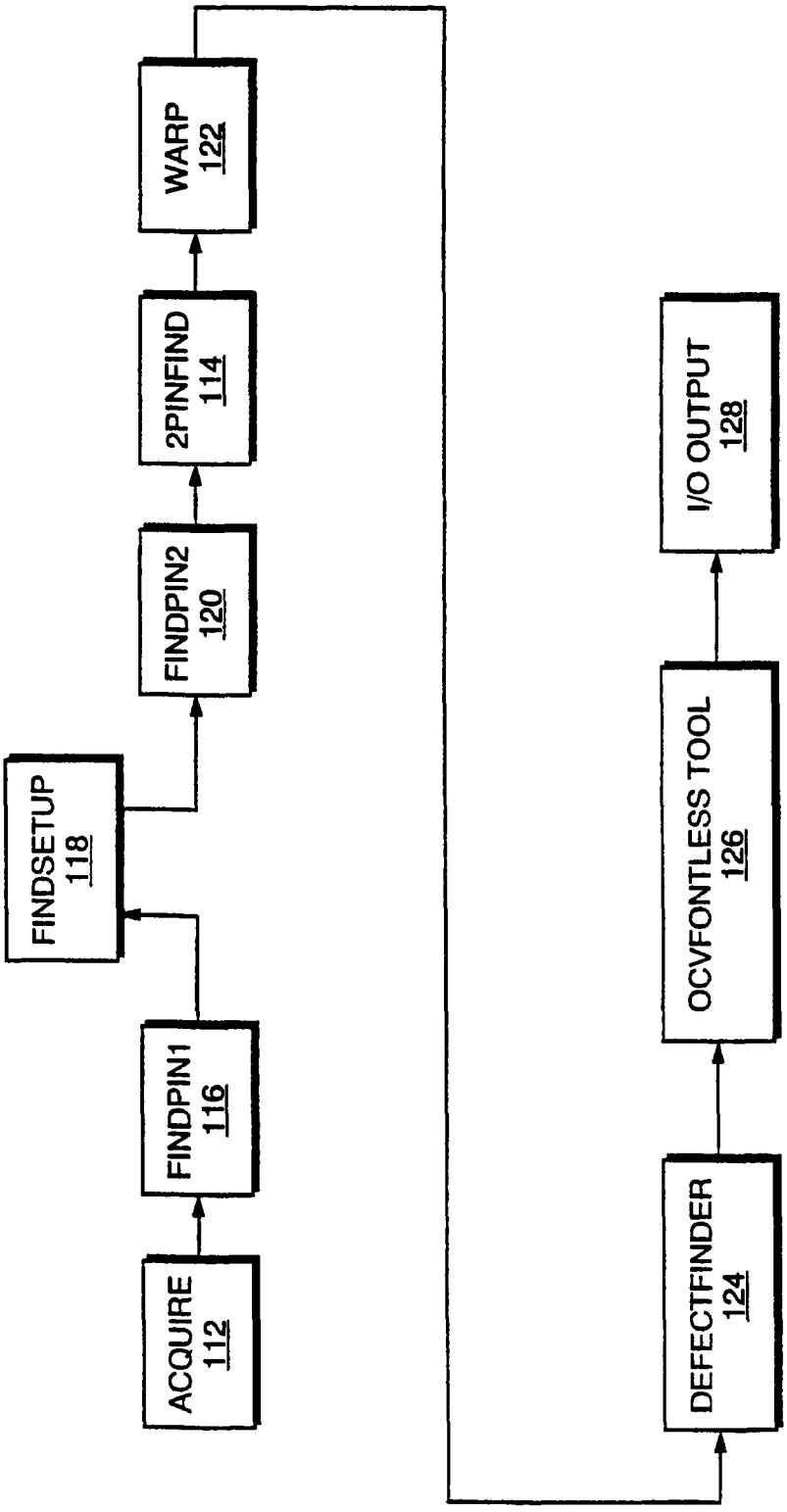

ACQUIRE 112
FINDPIN1 116
FINDSETUP 118
FINDPIN2 120
2PINFIND 114
WARP 122
DEFECTFINDER 124
OCVFONTLESS TOOL 126
I/O OUTPUT 128

FIG. 3

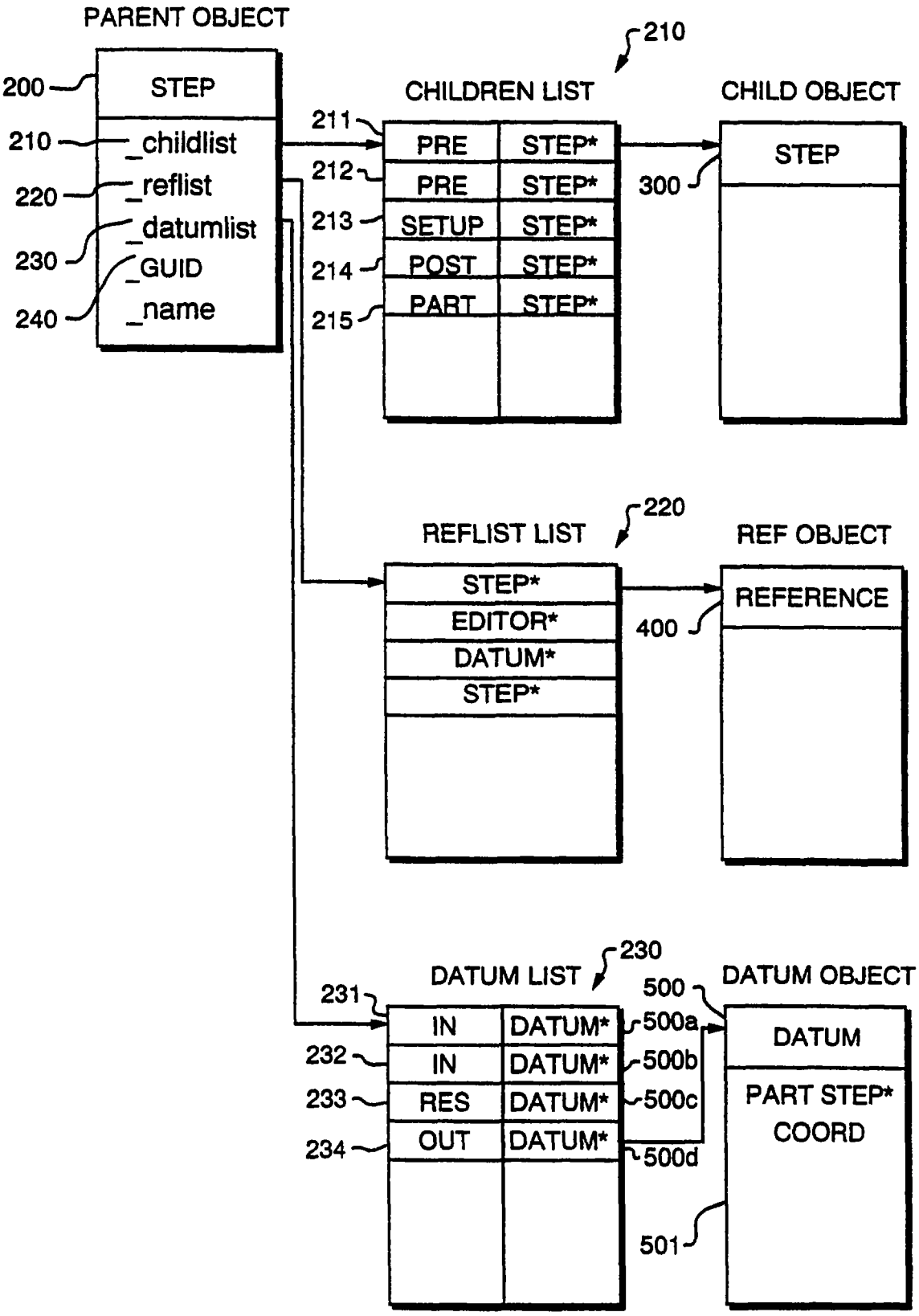

PARENT OBJECT
200
STEP
210
_childlist
220
_reflist
_datumlist
230
_GUID
240
_name
210
CHILDREN LIST
CHILD OBJECT
211
PRE
STEP*
212
PRE
STEP*
213
SETUP
STEP*
214
POST
STEP*
215
PART
STEP*
300
STEP
220
REFLIST LIST
REF OBJECT
STEP*
EDITOR*
DATUM*
STEP*
400
REFERENCE
230
DATUM LIST
DATUM OBJECT
231
IN
DATUM*
232
IN
DATUM*
233
RES
DATUM*
234
OUT
DATUM*
500
500a
500b
500c
500d
DATUM
PART STEP*
COORD
501

FIG. 4

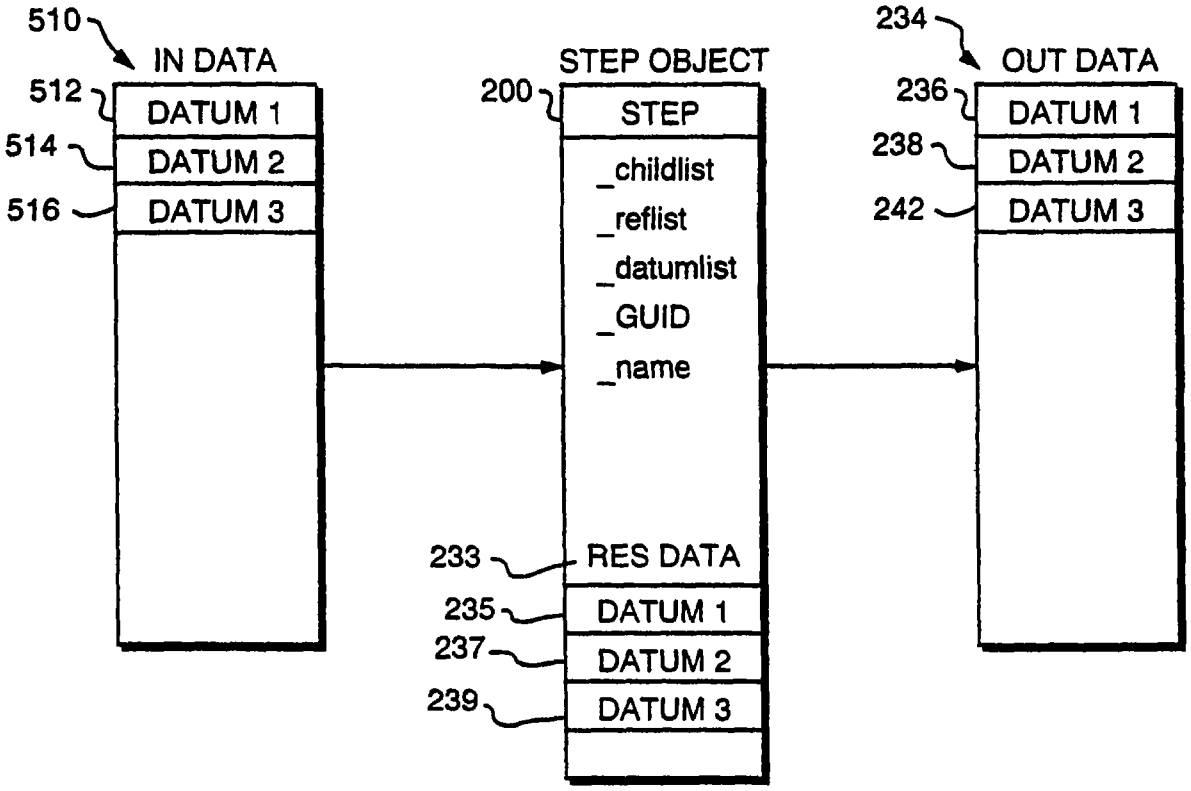

510
IN DATA
512
DATUM 1
514
DATUM 2
516
DATUM 3
200
STEP OBJECT
STEP
_childlist
_reflist
_datumlist
_GUID
_name
233
RES DATA
235
DATUM 1
237
DATUM 2
239
DATUM 3
234
OUT DATA
236
DATUM 1
238
DATUM 2
242
DATUM 3

FIG. 5

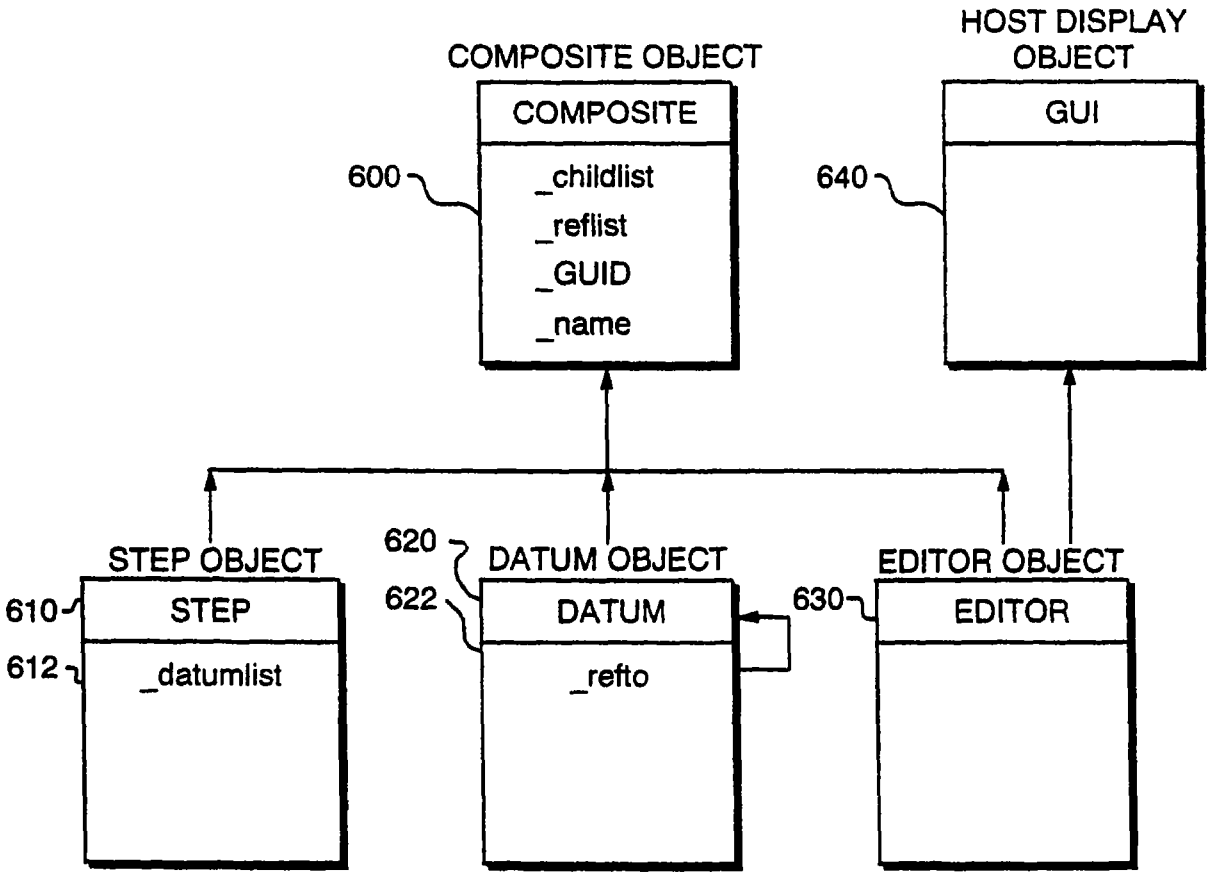

COMPOSITE OBJECT
COMPOSITE
600
_childlist
_reflist
_GUID
_name
HOST DISPLAY OBJECT
GUI
640
STEP OBJECT
610
STEP
612
_datumlist
620
DATUM OBJECT
622
DATUM
_refto
EDITOR OBJECT
630
EDITOR

FIG. 6

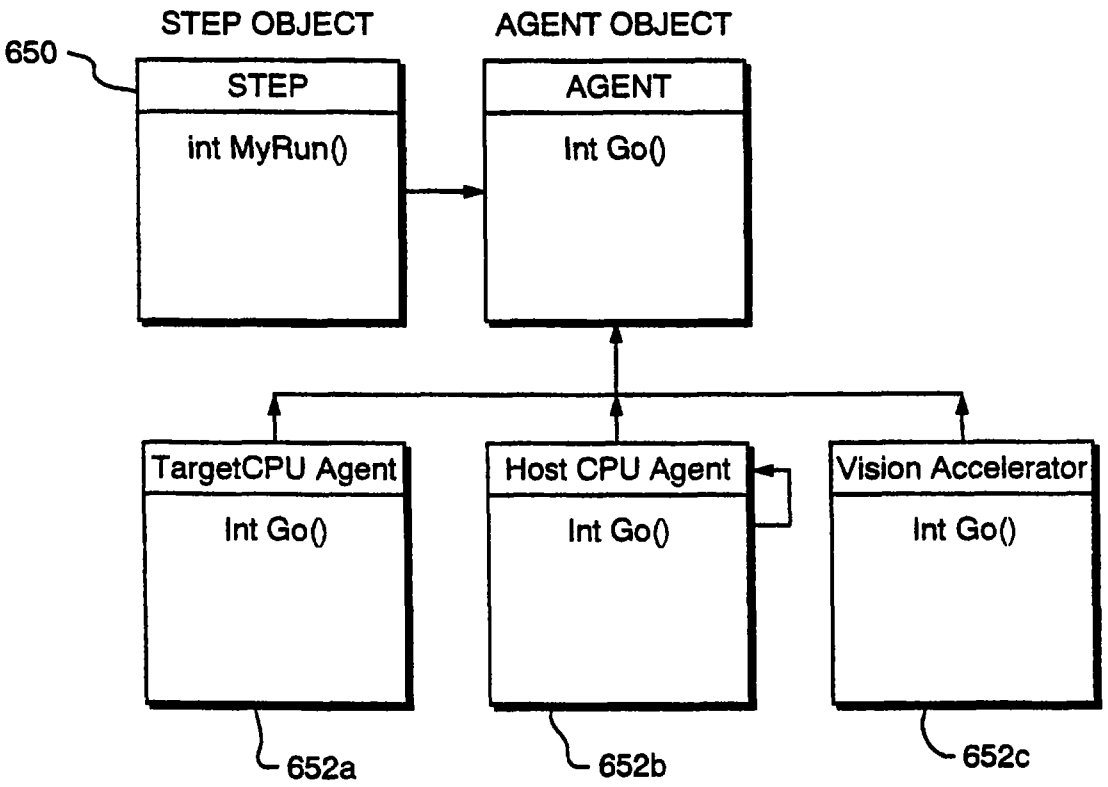

STEP OBJECT
AGENT OBJECT
650
STEP
int MyRun()
AGENT
Int Go()
TargetCPU Agent
Int Go()
Host CPU Agent
Int Go()
Vision Accelerator
Int Go()
652a
652b
652c

FIG. 7

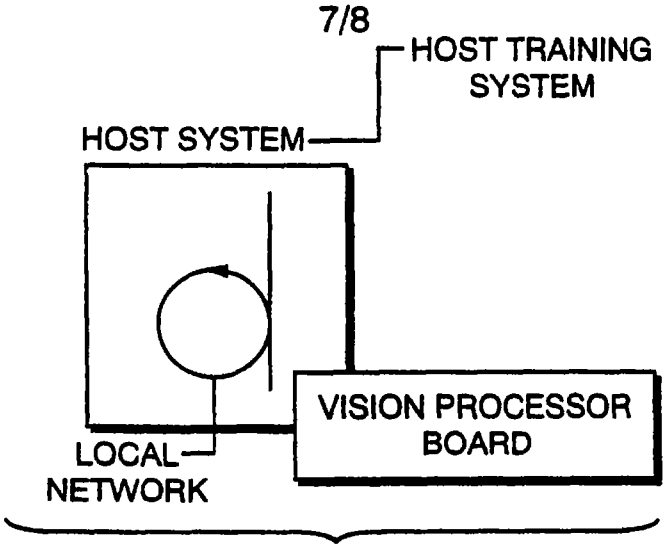



FIG. 8A

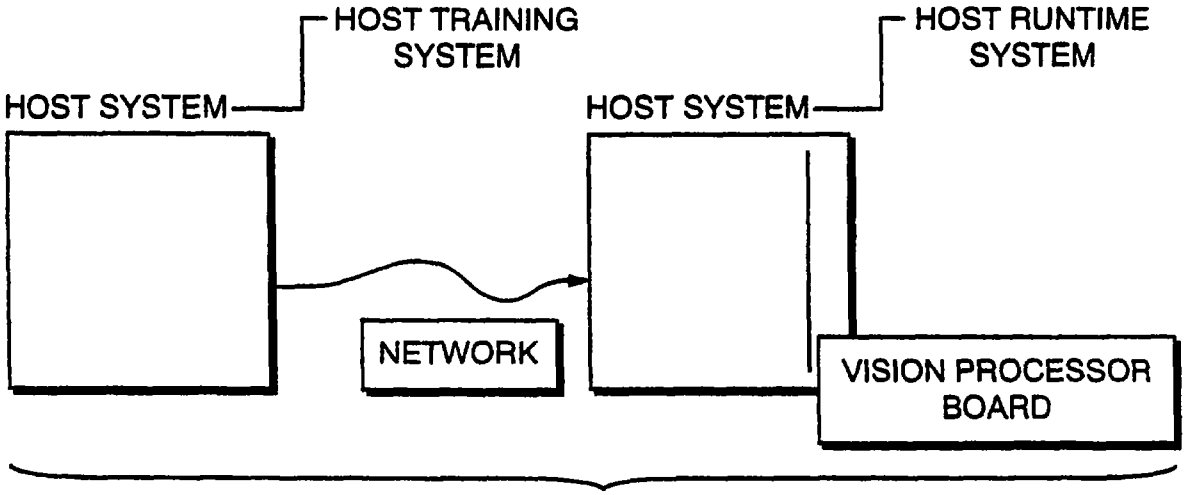



FIG. 8B

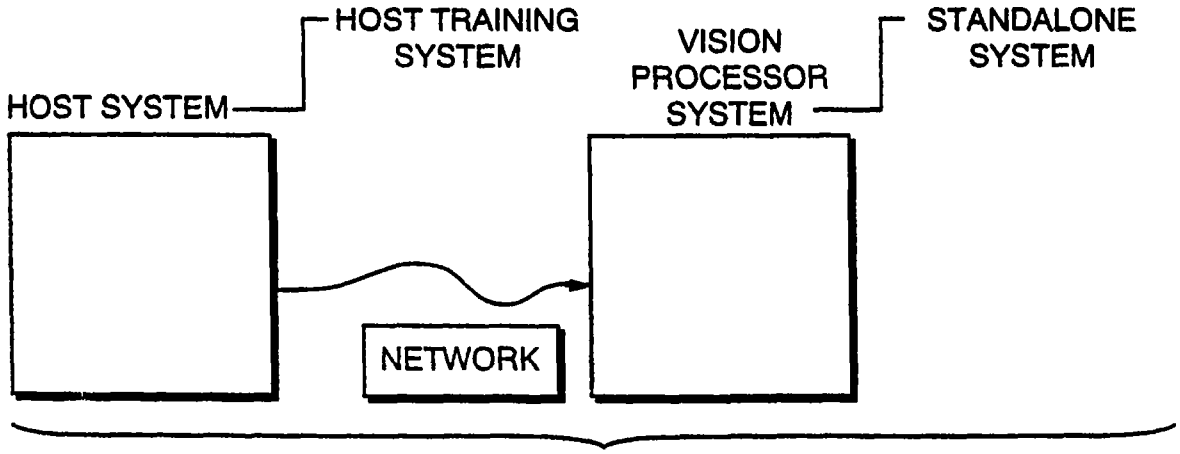



FIG. 8C

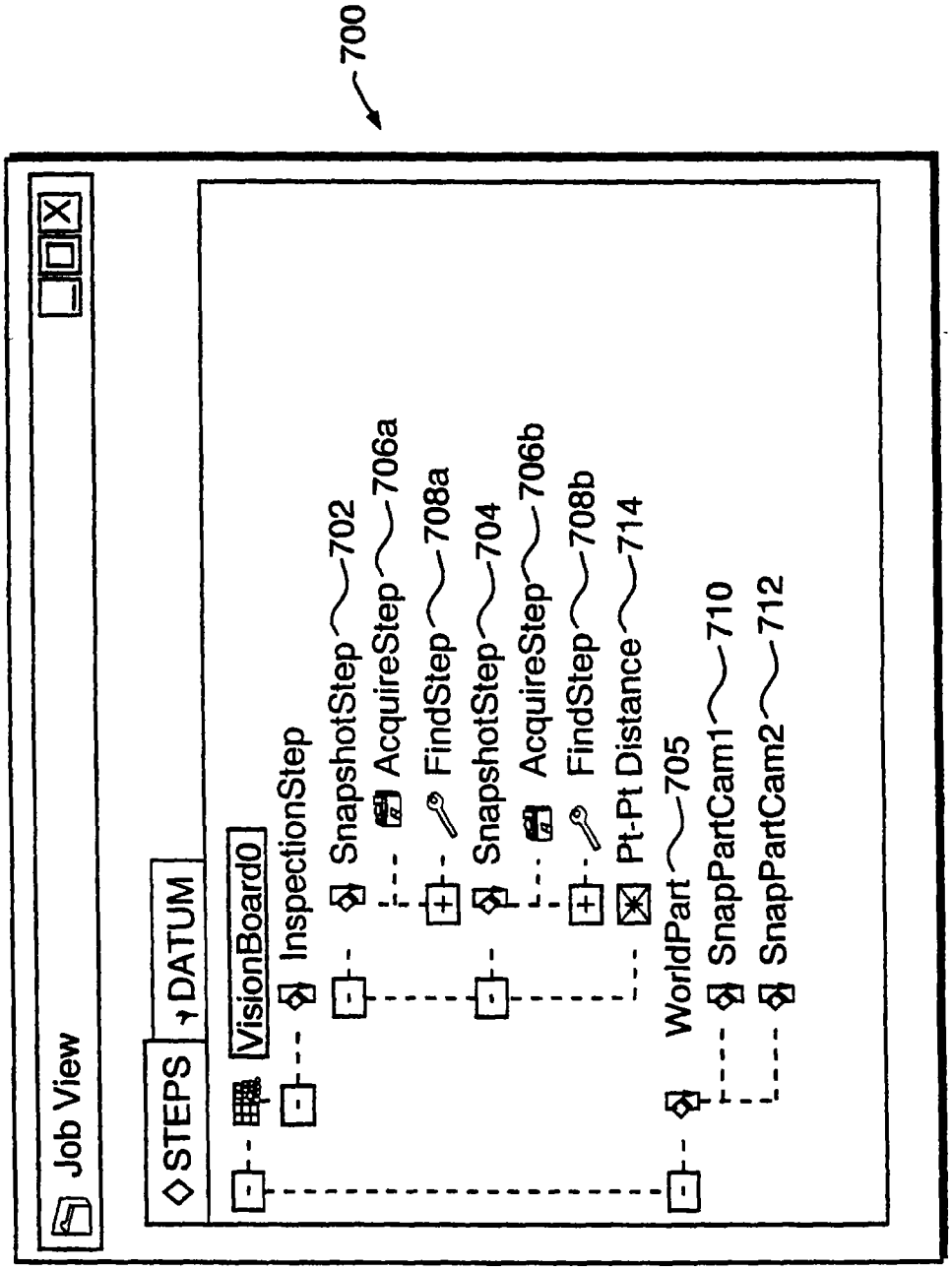

700
Job View
STEPS
DATUM
VisionBoard0
InspectionStep
SnapshotStep
AcquireStep
FindStep
SnapshotStep
AcquireStep
FindStep
Pt-Pt Distance
WorldPart
SnapPartCam1
SnapPartCam2
702
706a
708a
704
706b
708b
714
705
710
712

FIG. 9