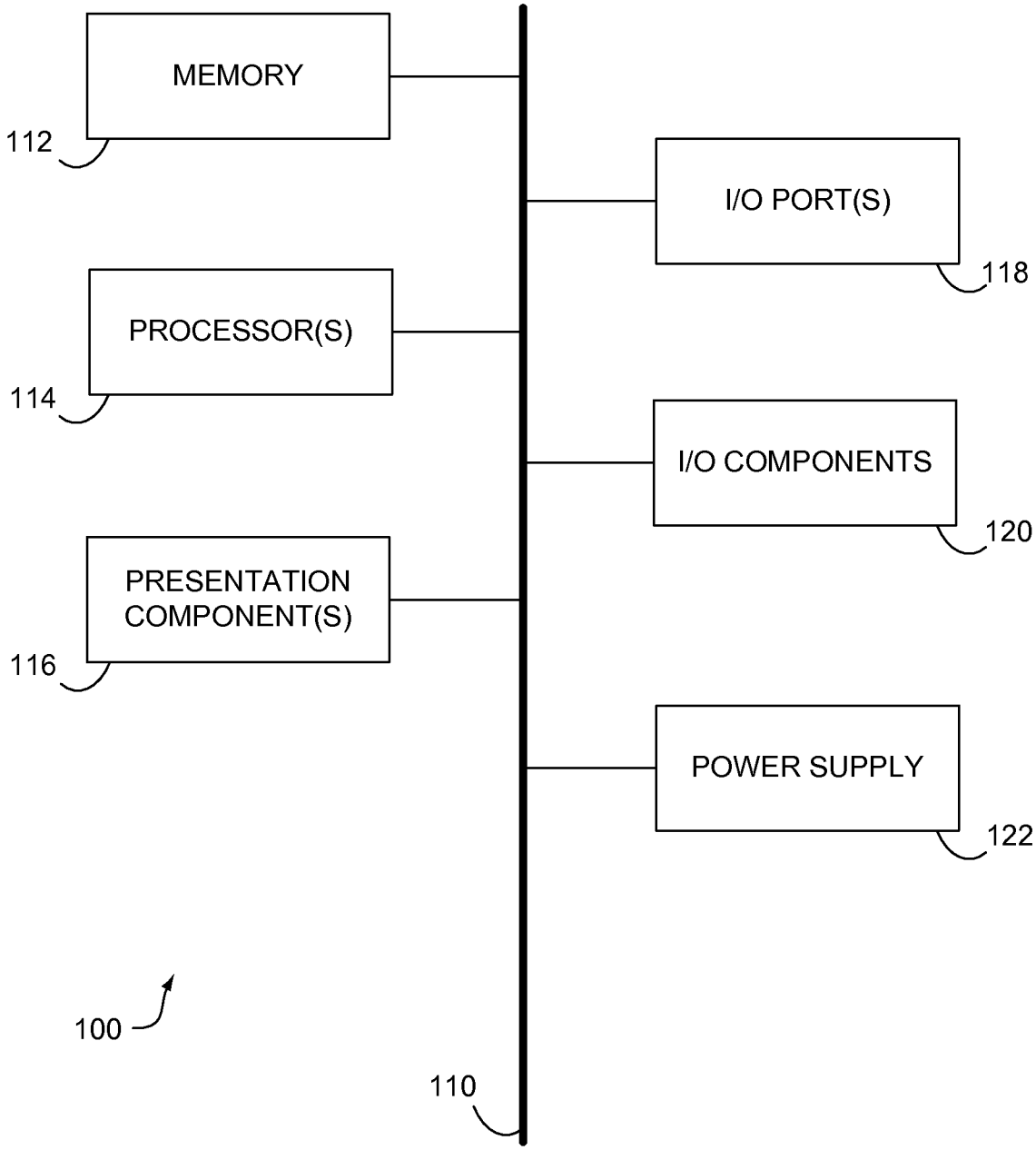

MEMORY
112
I/O PORT(S)
118
PROCESSOR(S)
114
I/O COMPONENTS
120
PRESENTATION COMPONENT(S)
116
POWER SUPPLY
122
100
110

FIG. 1.

FIG. 2.

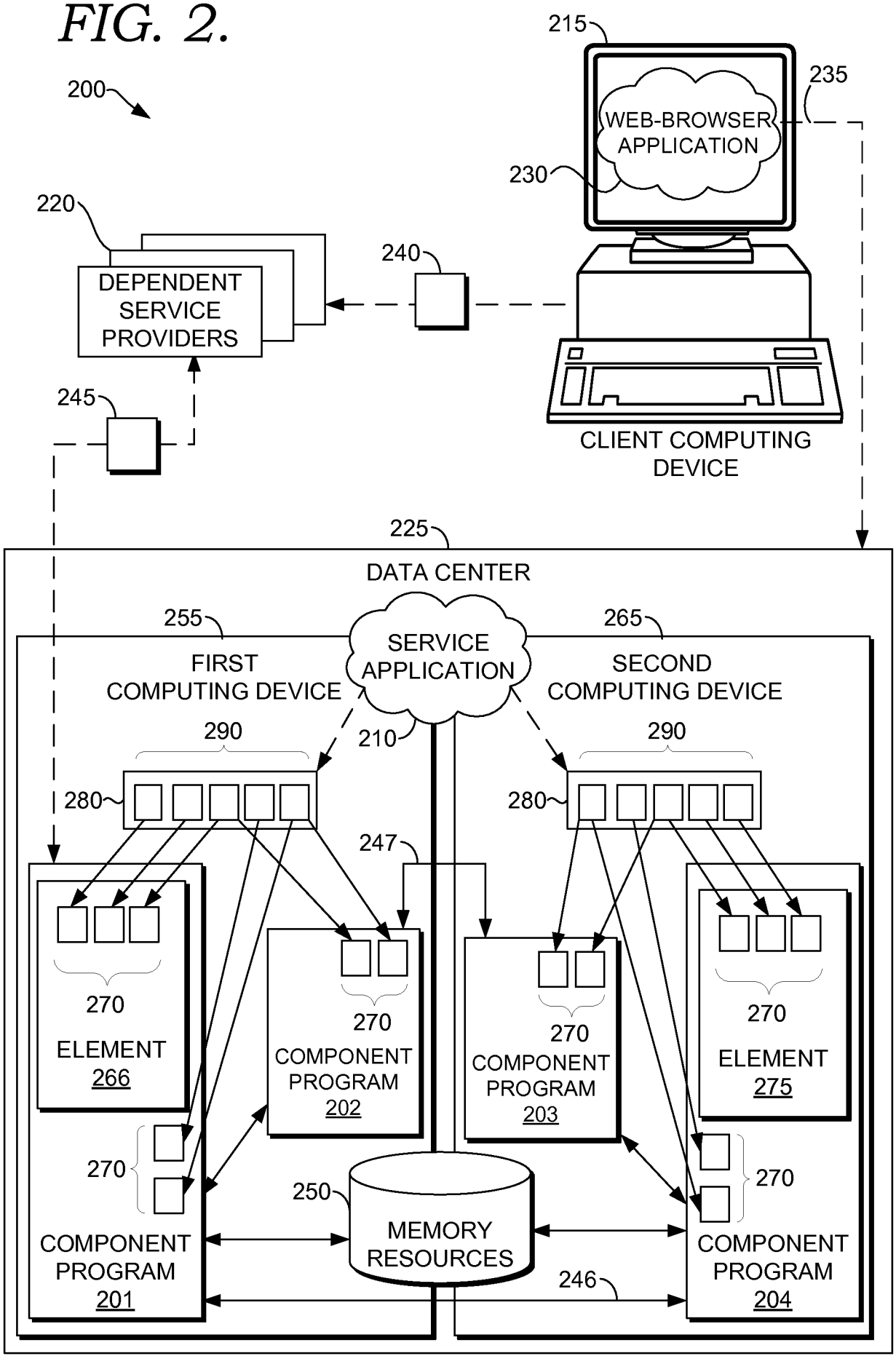

200
215
235
WEB-BROWSER APPLICATION
230
220
DEPENDENT SERVICE PROVIDERS
240
245
CLIENT COMPUTING DEVICE
225
DATA CENTER
255
FIRST COMPUTING DEVICE
SERVICE APPLICATION
210
265
SECOND COMPUTING DEVICE
290
290
280
280
247
270
ELEMENT 266
270
COMPONENT PROGRAM 202
270
COMPONENT PROGRAM 203
270
ELEMENT 275
270
270
250
MEMORY RESOURCES
COMPONENT PROGRAM 201
COMPONENT PROGRAM 204
246

FIG. 3.

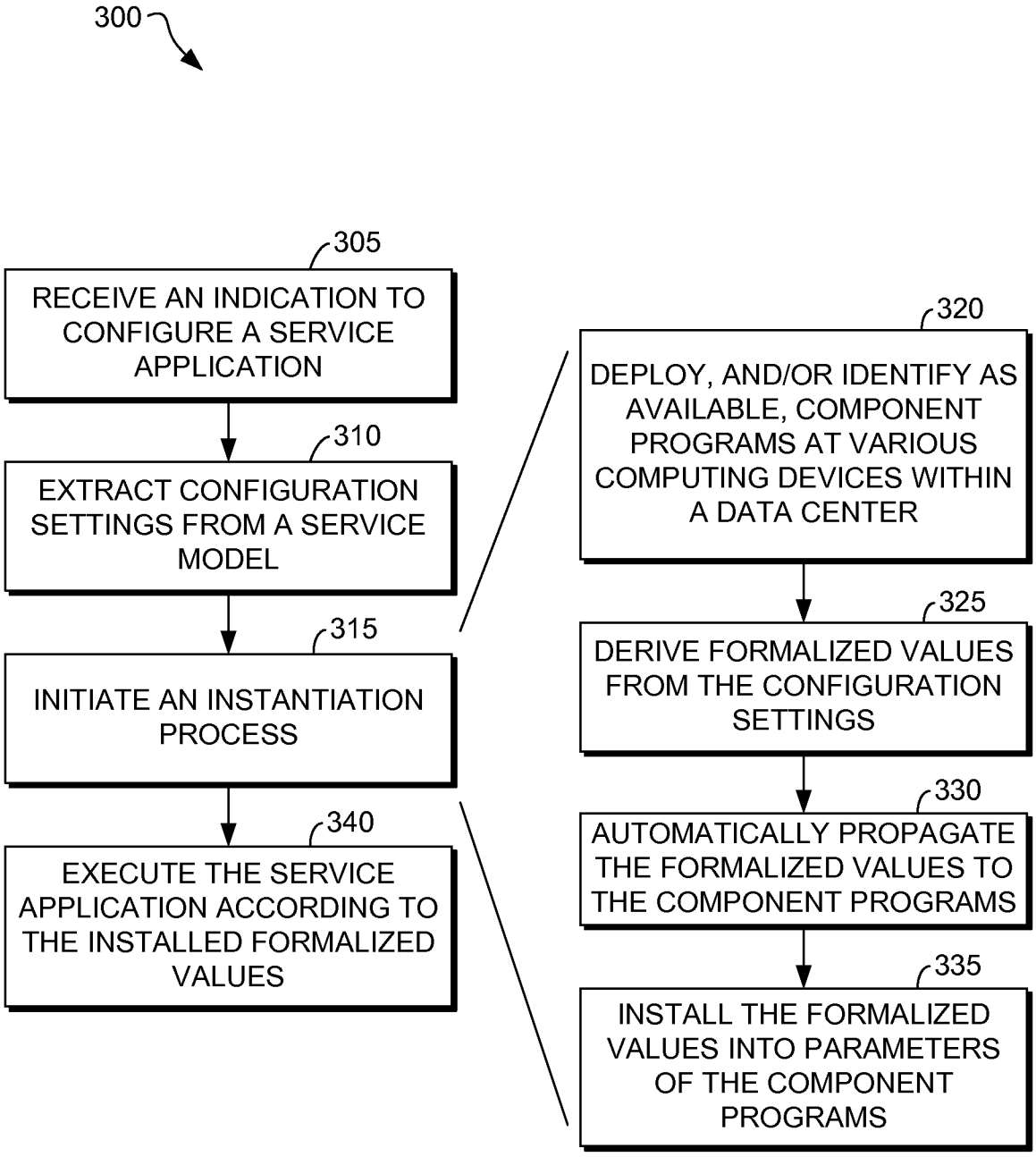

300
305
RECEIVE AN INDICATION TO CONFIGURE A SERVICE APPLICATION
310
EXTRACT CONFIGURATION SETTINGS FROM A SERVICE MODEL
315
INITIATE AN INSTANTIATION PROCESS
340
EXECUTE THE SERVICE APPLICATION ACCORDING TO THE INSTALLED FORMALIZED VALUES
320
DEPLOY, AND/OR IDENTIFY AS AVAILABLE, COMPONENT PROGRAMS AT VARIOUS COMPUTING DEVICES WITHIN A DATA CENTER
325
DERIVE FORMALIZED VALUES FROM THE CONFIGURATION SETTINGS
330
AUTOMATICALLY PROPAGATE THE FORMALIZED VALUES TO THE COMPONENT PROGRAMS
335
INSTALL THE FORMALIZED VALUES INTO PARAMETERS OF THE COMPONENT PROGRAMS

FIG. 4.

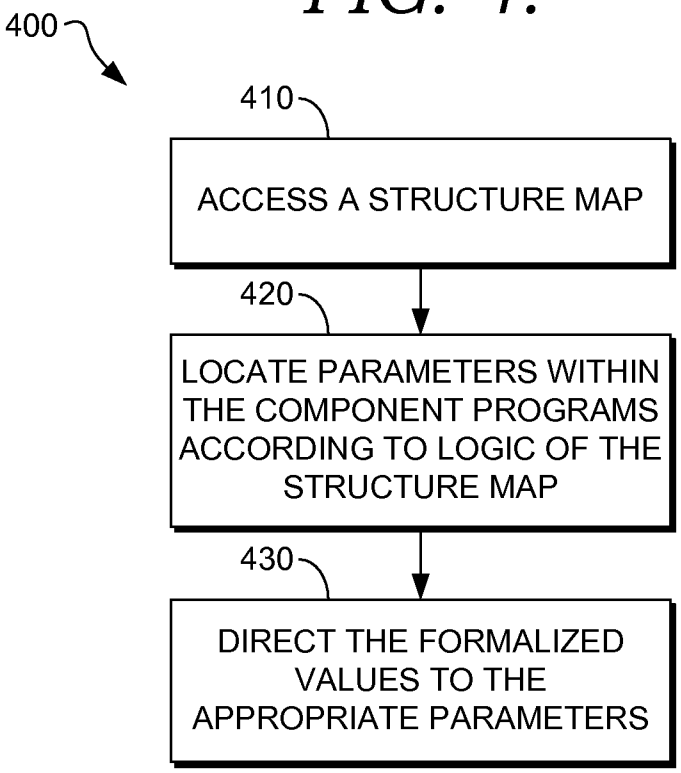
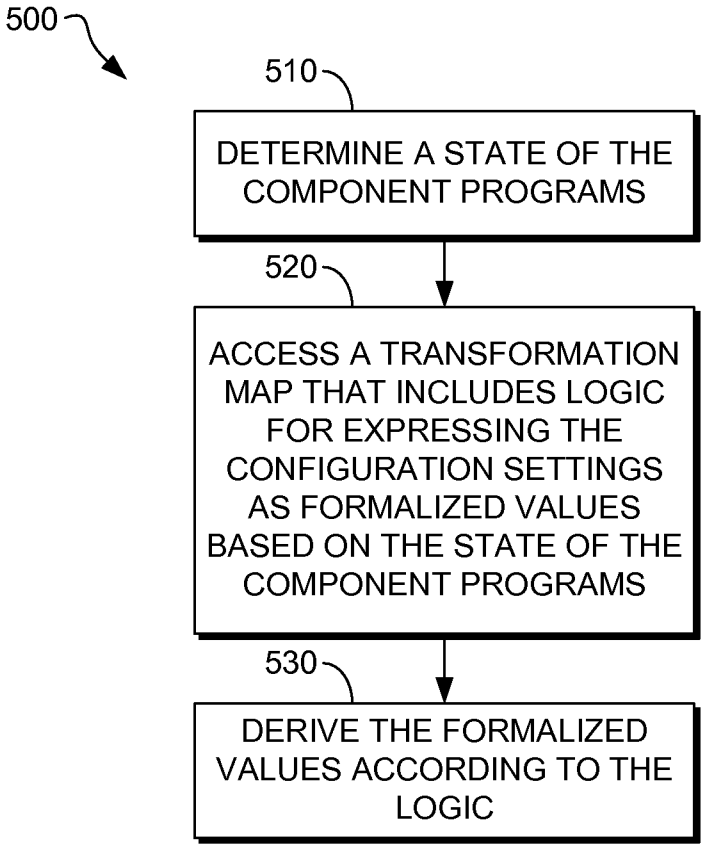

400
410
ACCESS A STRUCTURE MAP
420
LOCATE PARAMETERS WITHIN THE COMPONENT PROGRAMS ACCORDING TO LOGIC OF THE STRUCTURE MAP
430
DIRECT THE FORMALIZED VALUES TO THE APPROPRIATE PARAMETERS

FIG. 5.


500
510
DETERMINE A STATE OF THE COMPONENT PROGRAMS
520
ACCESS A TRANSFORMATION MAP THAT INCLUDES LOGIC FOR EXPRESSING THE CONFIGURATION SETTINGS AS FORMALIZED VALUES BASED ON THE STATE OF THE COMPONENT PROGRAMS
530
DERIVE THE FORMALIZED VALUES ACCORDING TO THE LOGIC

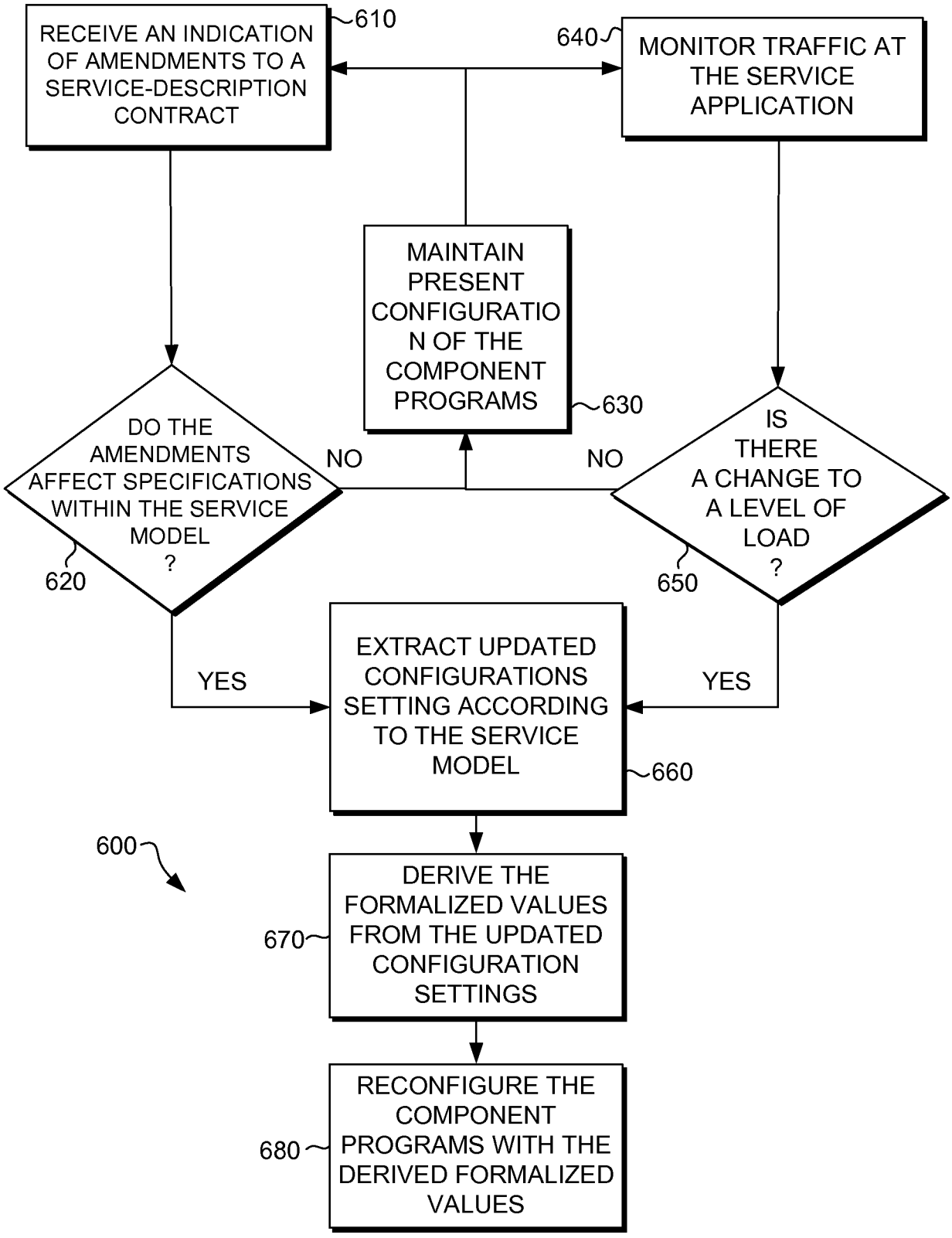

RECEIVE AN INDICATION OF AMENDMENTS TO A SERVICE-DESCRIPTION CONTRACT
610
640
MONITOR TRAFFIC AT THE SERVICE APPLICATION
MAINTAIN PRESENT CONFIGURATIO N OF THE COMPONENT PROGRAMS
630
DO THE AMENDMENTS AFFECT SPECIFICATIONS WITHIN THE SERVICE MODEL ?
620
NO
NO
IS THERE A CHANGE TO A LEVEL OF LOAD ?
650
YES
YES
EXTRACT UPDATED CONFIGURATIONS SETTING ACCORDING TO THE SERVICE MODEL
660
600
DERIVE THE FORMALIZED VALUES FROM THE UPDATED CONFIGURATION SETTINGS
670
RECONFIGURE THE COMPONENT PROGRAMS WITH THE DERIVED FORMALIZED VALUES
680

FIG. 6.