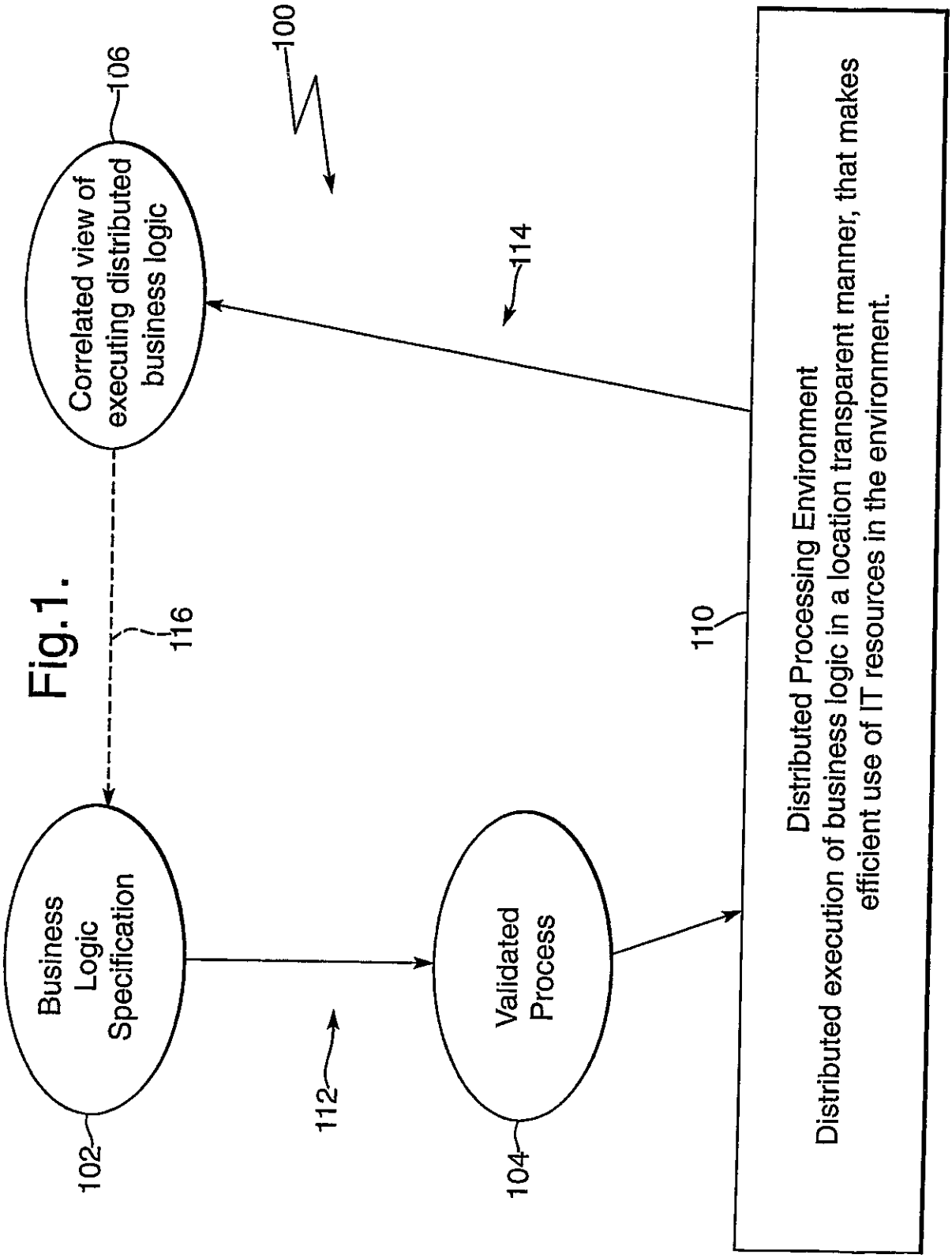

100
106
Correlated view of executing distributed business logic
114
116
110
Distributed Processing Environment
Distributed execution of business logic in a location transparent manner, that makes efficient use of IT resources in the environment.
Business Logic Specification
Validated Process
102
112
104

Fig.1.

Fig.2.

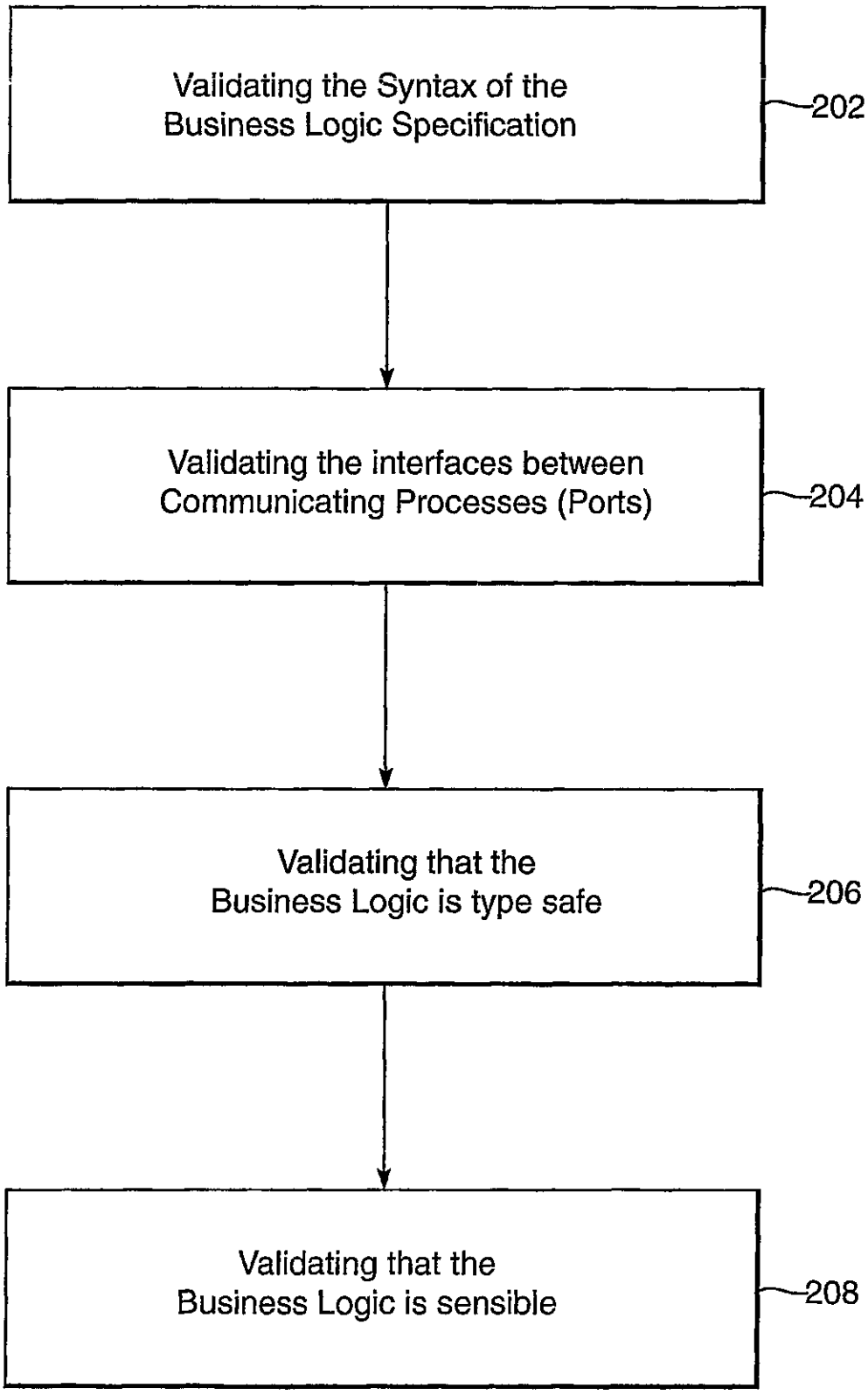
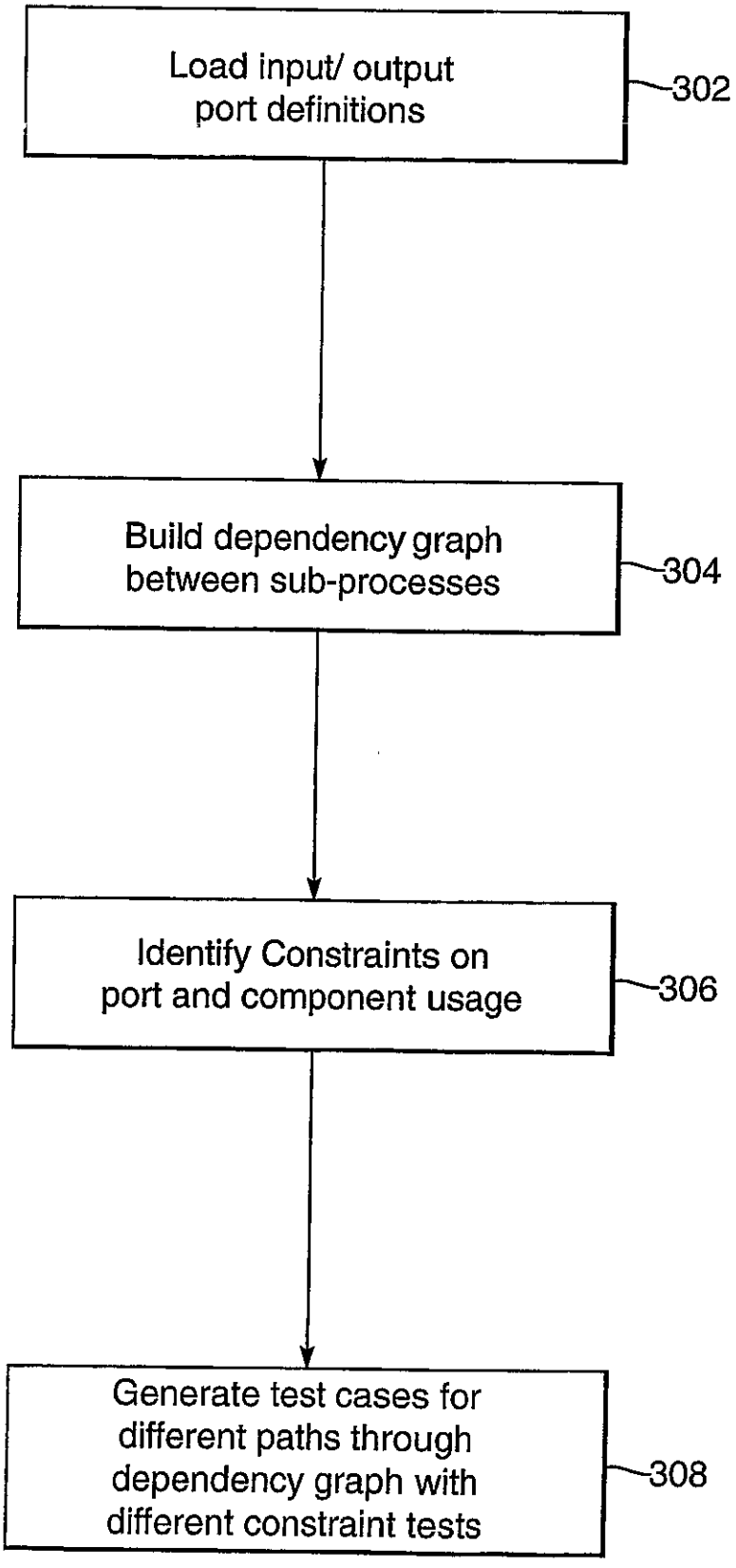

Validating the Syntax of the Business Logic Specification
202
Validating the interfaces between Communicating Processes (Ports)
204
Validating that the Business Logic is type safe
206
Validating that the Business Logic is sensible
208

Fig.3.


Load input/ output port definitions
302
Build dependency graph between sub-processes
304
Identify Constraints on port and component usage
306
Generate test cases for different paths through dependency graph with different constraint tests
308

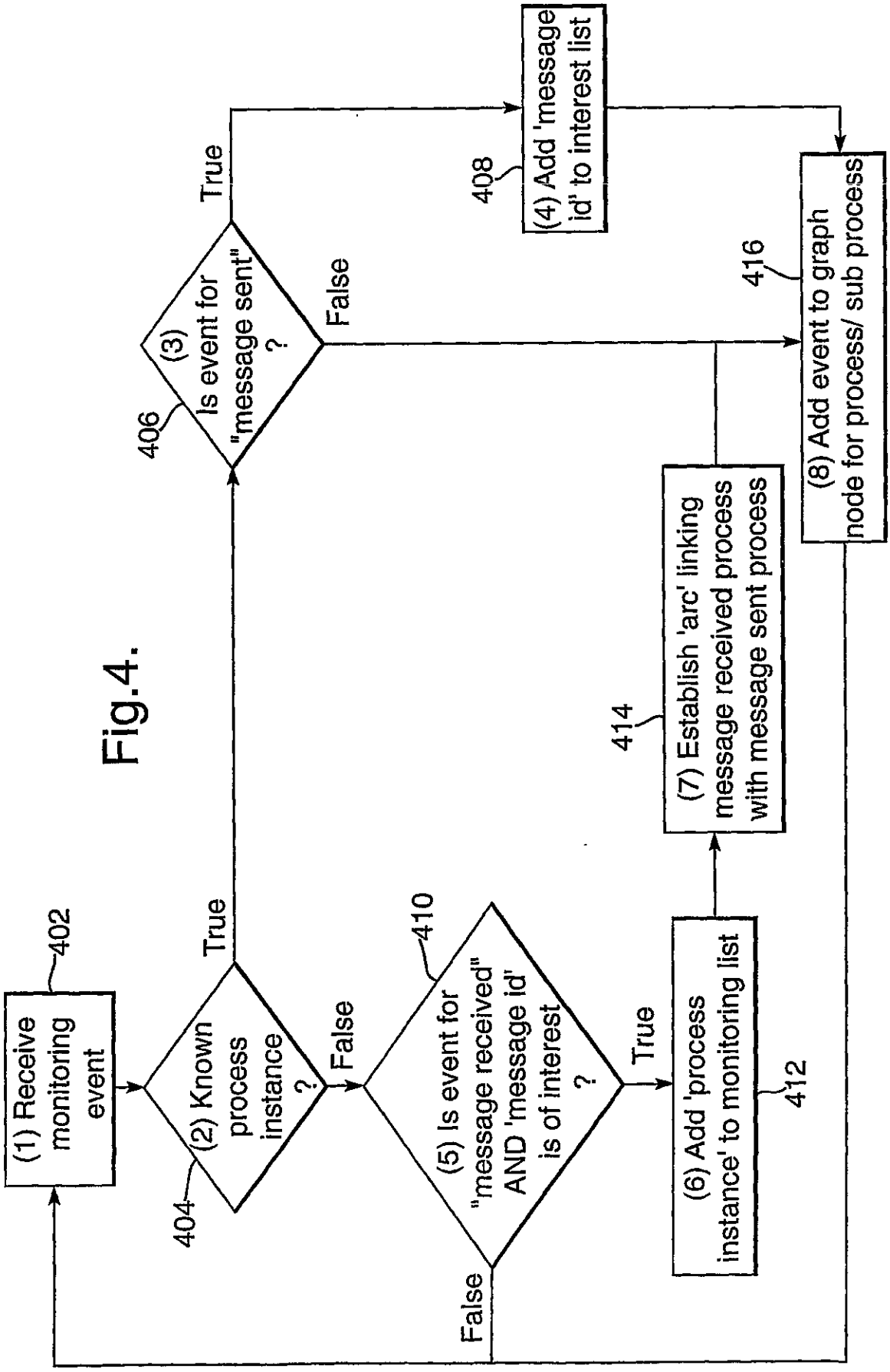

(1) Receive monitoring event
402
(2) Known process instance ?
404
True
False
(3) Is event for "message sent" ?
406
True
False
(4) Add 'message id' to interest list
408
(5) Is event for "message received" AND 'message id' is of interest ?
410
True
False
(6) Add 'process instance' to monitoring list
412
(7) Establish 'arc' linking message received process with message sent process
414
(8) Add event to graph node for process/ sub process
416

Fig.4.

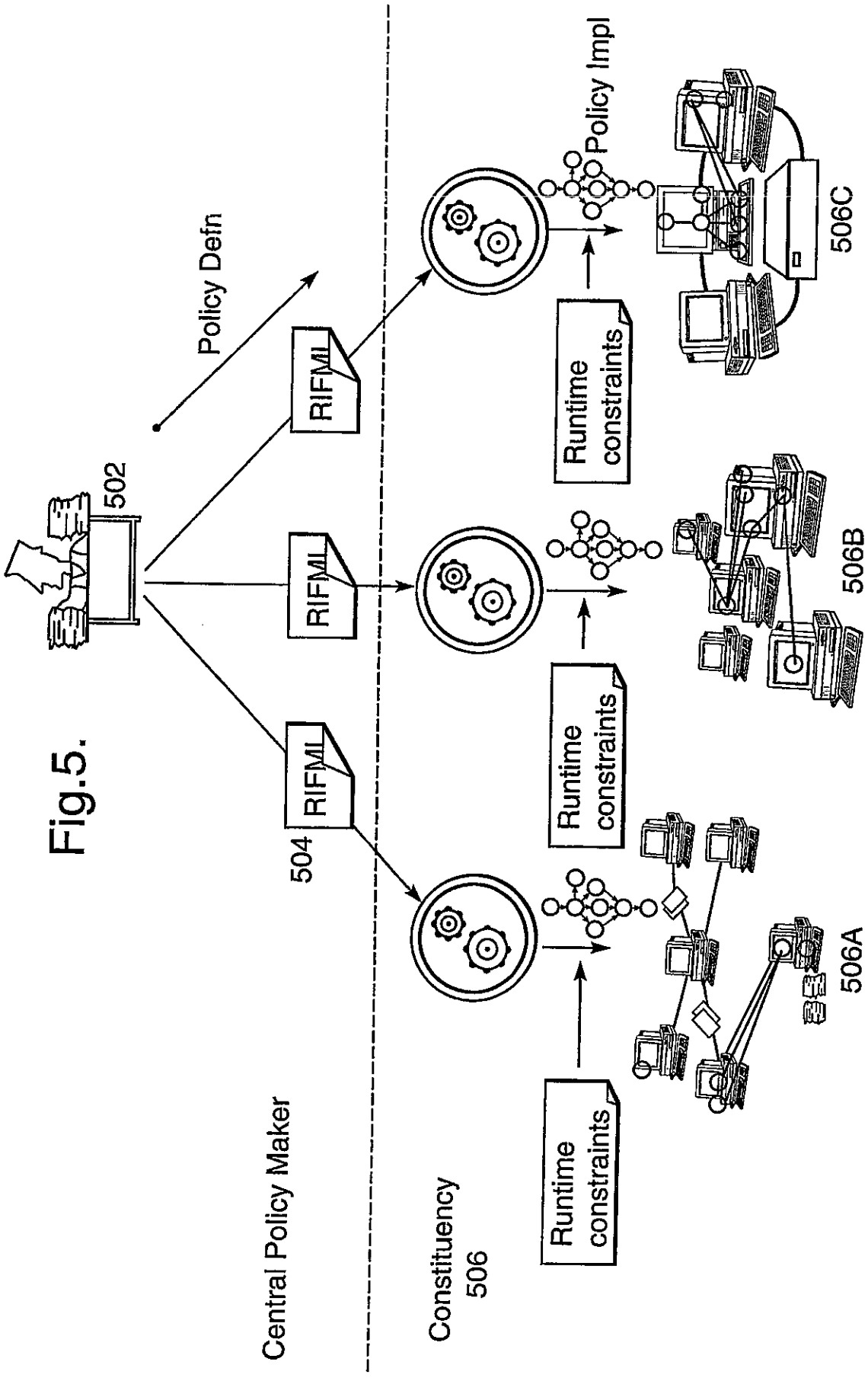

Policy Defn
502
RIFML
RIFML
RIFML
504
Runtime constraints
Runtime constraints
Runtime constraints
Policy Impl
506C
506B
506A
Central Policy Maker
Constituency
506

Fig.5.