

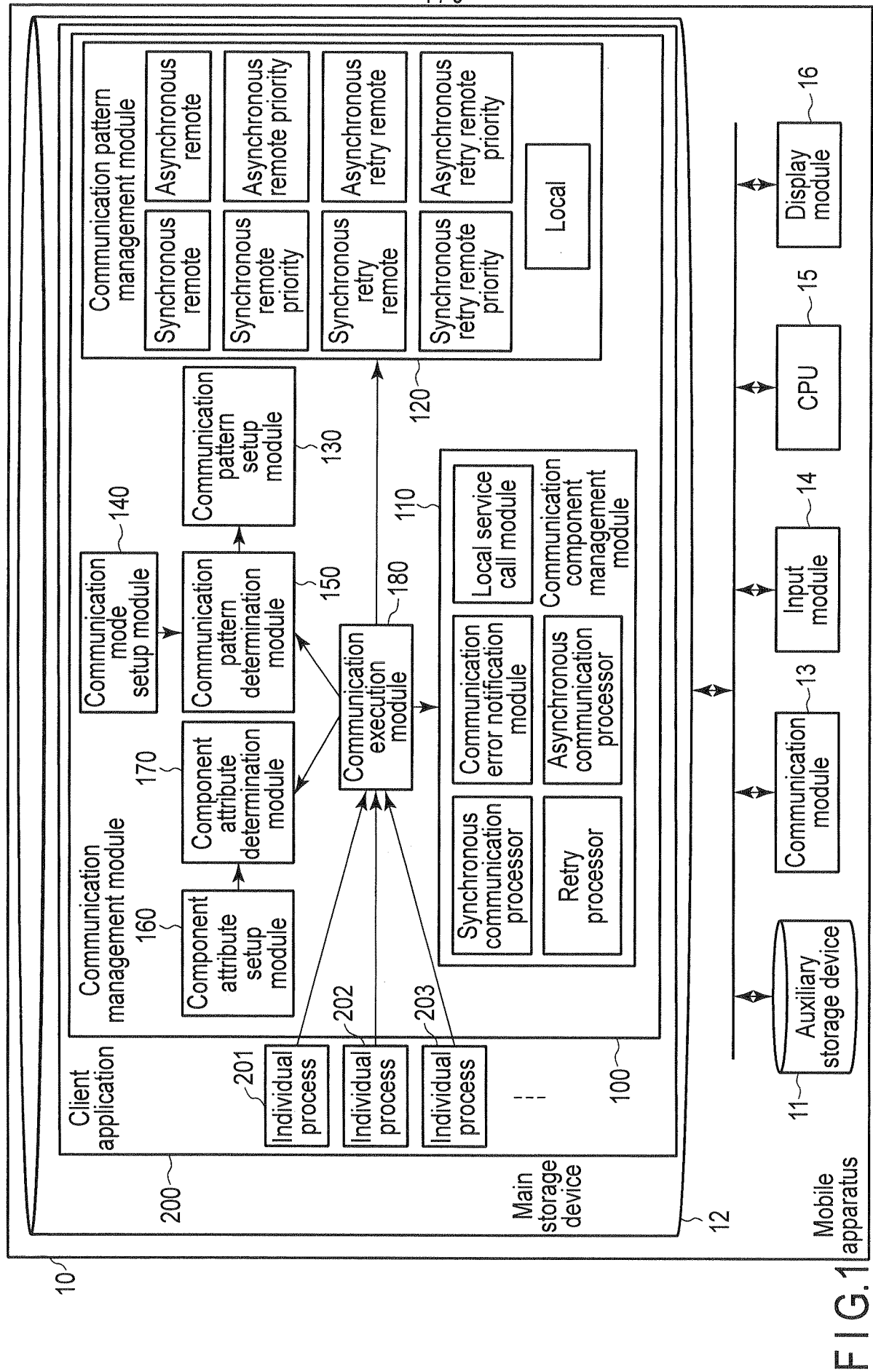


FIG. 1

Communication component name	Attribute	(Description)
Synchronous communication processor	•Execution service name	Transmit request for executing service to server application, and stand by until receiving response
Asynchronous communication processor	•Execution service name	Transmit request for executing service to server application, without waiting for response
Retry processor	•Retry number •Retry interval	Retransmit (retry) request in case of communication error Number of times of retry and interval of retries can be set
Communication error notification module	•Error message notification method •Error message	Notify user of occurrence of communication error in case of communication error Error notification method ("dialog display", "display at arbitrary location on screen") and message (e.g., "communication failed") can be set
Local service call module	—	Execute service of same name as client application without executing communication, instead of executing service of server application by executing communication

FIG. 2

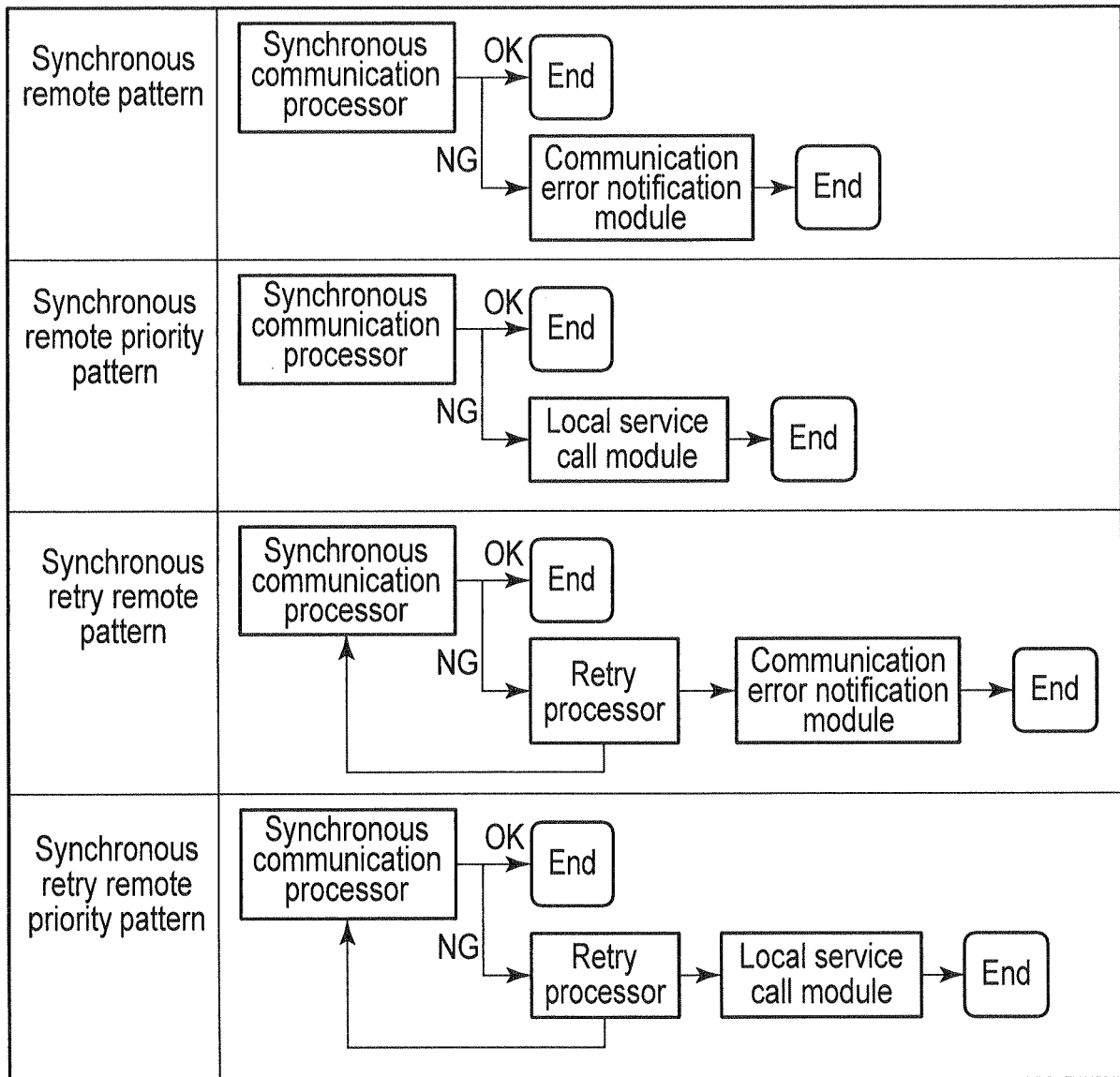


FIG. 3

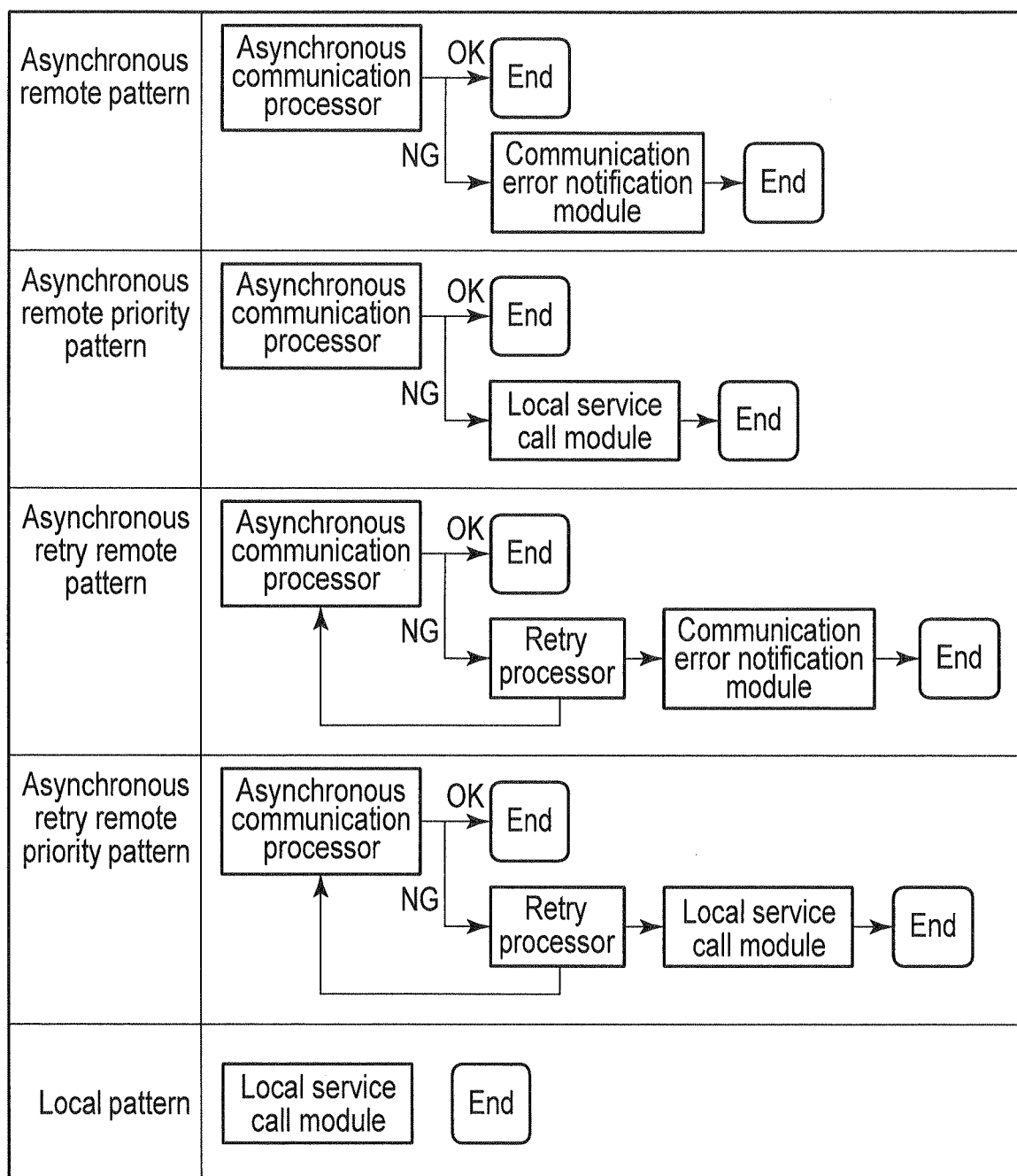


FIG. 4

Communication pattern name	Order	Communication component name
Synchronous remote pattern	1	Synchronous communication processor
	2	Communication error notification module
Synchronous remote priority pattern	1	Synchronous communication processor
	2	Local service call module
Synchronous retry remote pattern	1	Synchronous communication processor
	2	Retry processor
	3	Communication error notification module
Synchronous retry remote priority pattern	1	Synchronous communication processor
	2	Retry processor
	3	Local service call module
Asynchronous remote pattern	1	Asynchronous communication processor
	2	Communication error notification module
Asynchronous remote priority pattern	1	Asynchronous communication processor
	2	Local service call module
Asynchronous retry remote pattern	1	Asynchronous communication processor
	2	Retry processor
	3	Communication error notification module
Asynchronous retry remote priority pattern	1	Asynchronous communication processor
	2	Retry processor
	3	Local service call module
Local pattern	1	Local service call module

Communication pattern management module

120

FIG. 5

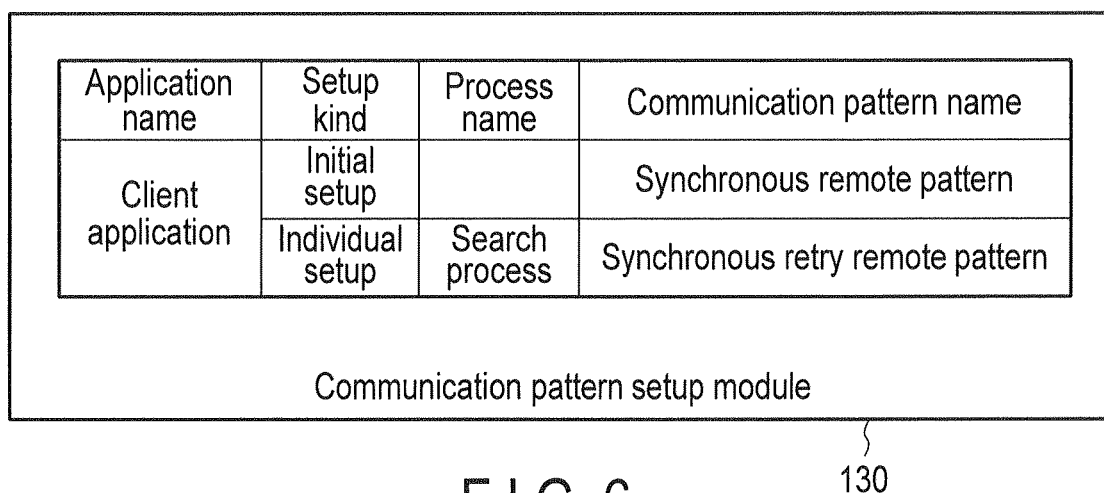


FIG. 6

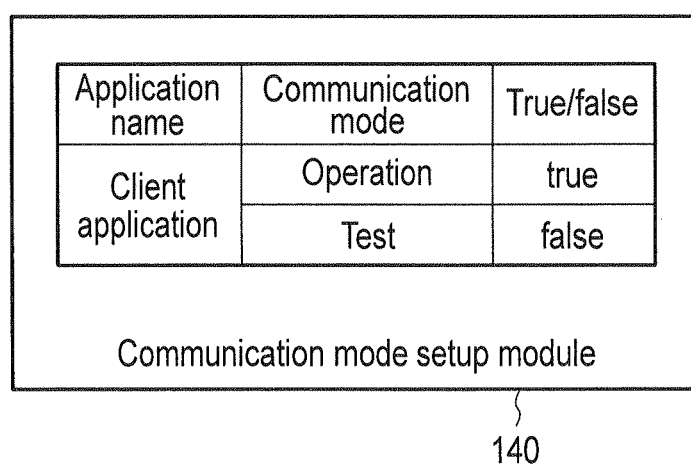


FIG. 7

Communication component name	Setup kind	Process name	Attribute
Synchronous communication processor	Initial setup		execution service name=DefaultService
	Individual setup	Search process	execution service name=SearchService
Retry processor	Initial setup		retry number=2, retry interval=2 seconds
	Individual setup	Search process	retry number=5
Communication error notification module	Initial setup		error notification method=Dialog, error message=ConnectionError!
	Individual setup		

Component attribute setup module

160

FIG. 8

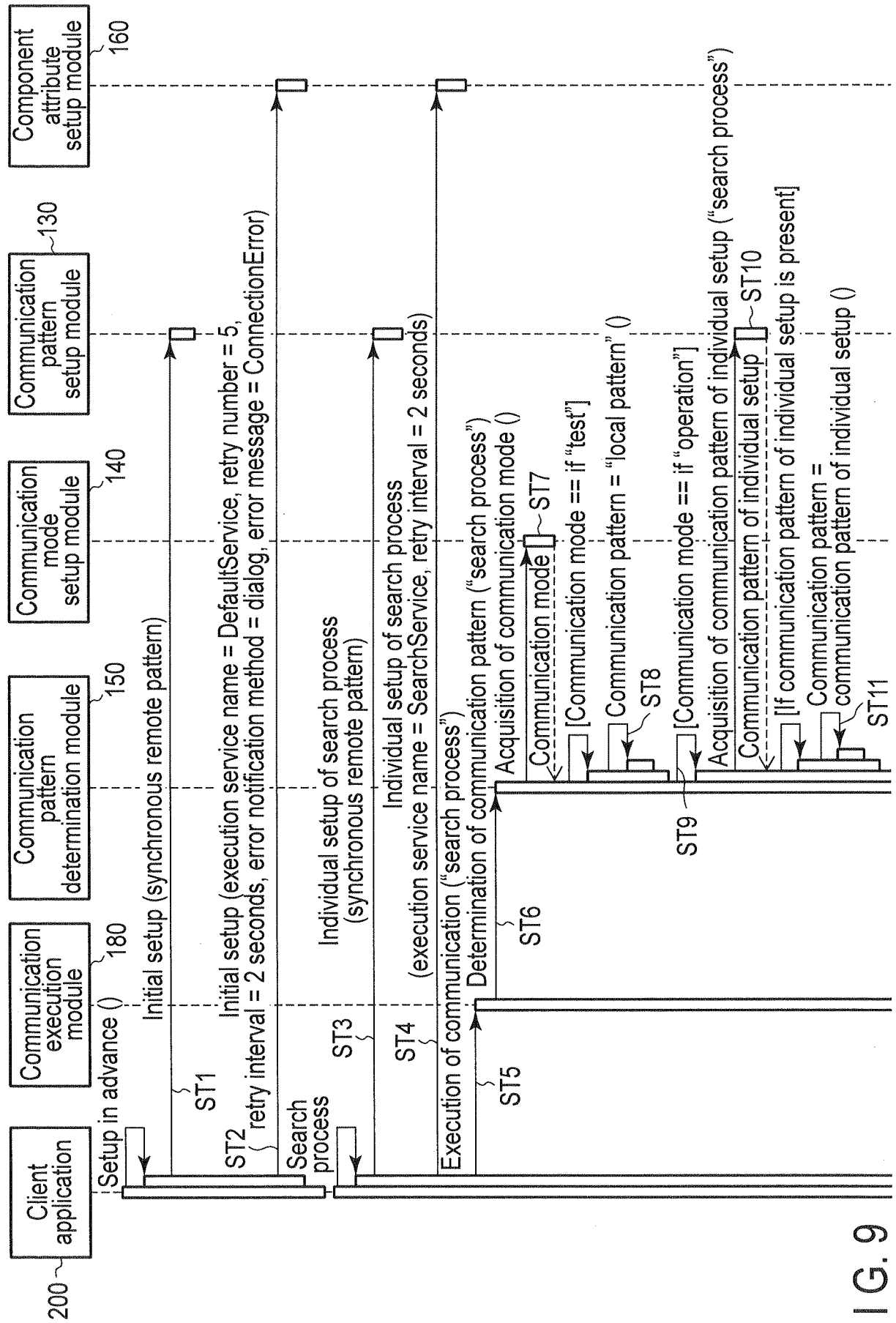


FIG. 9

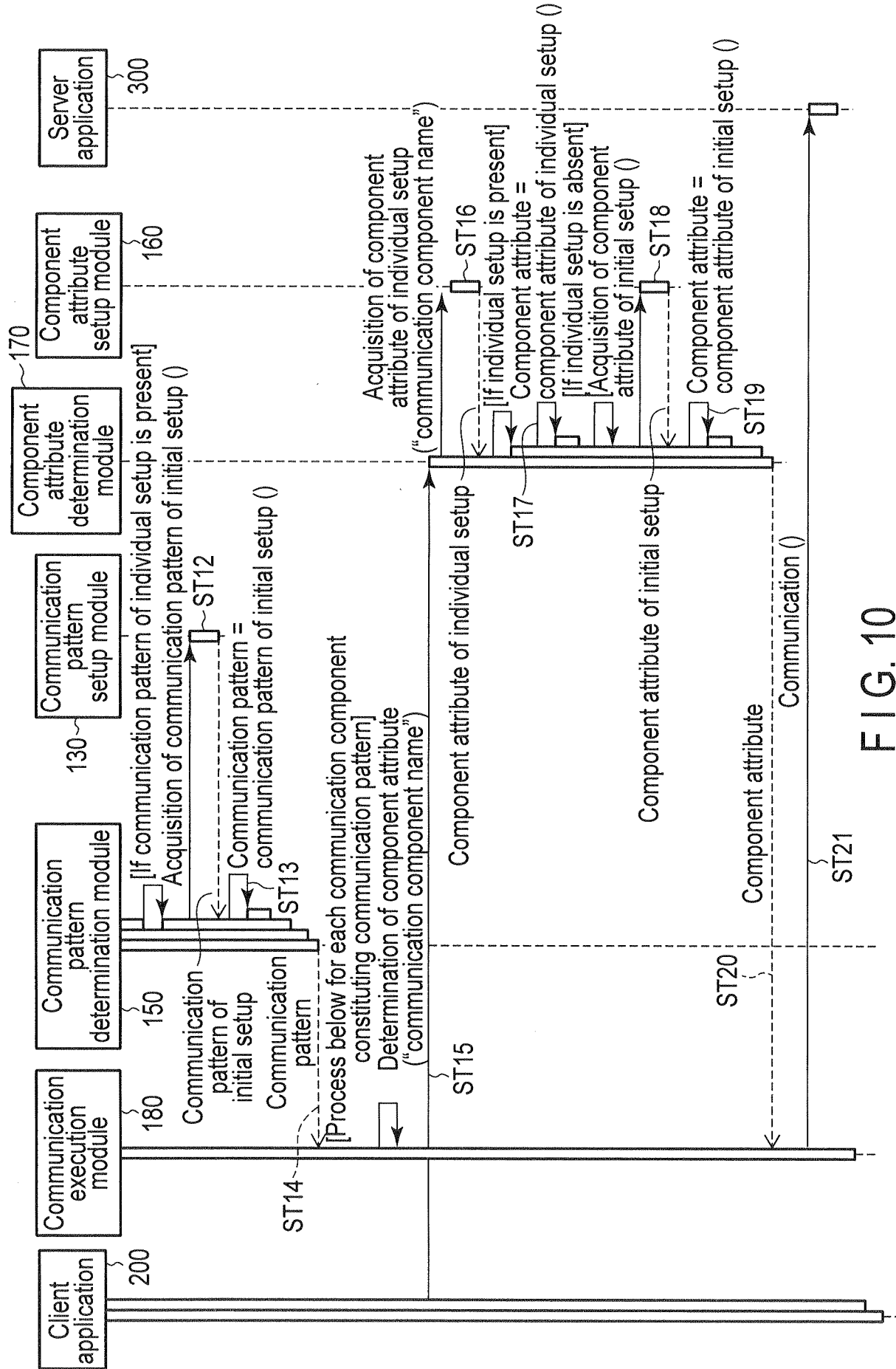


FIG. 10