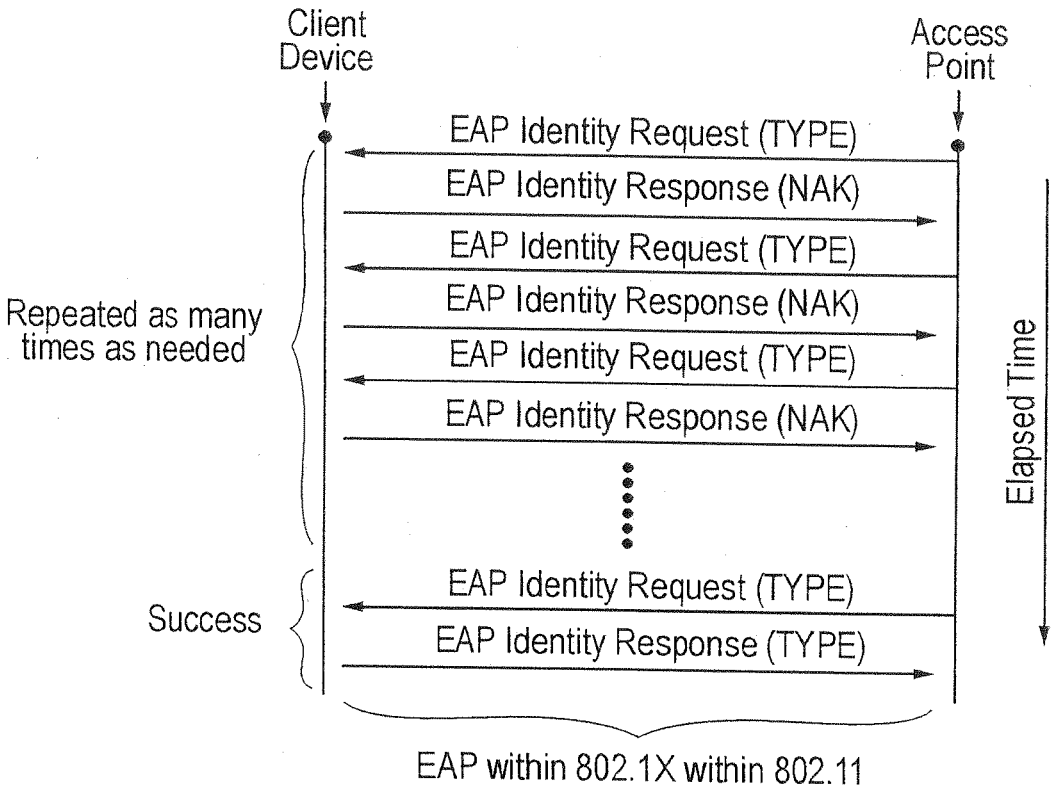


FIG. 1
(Prior Art)

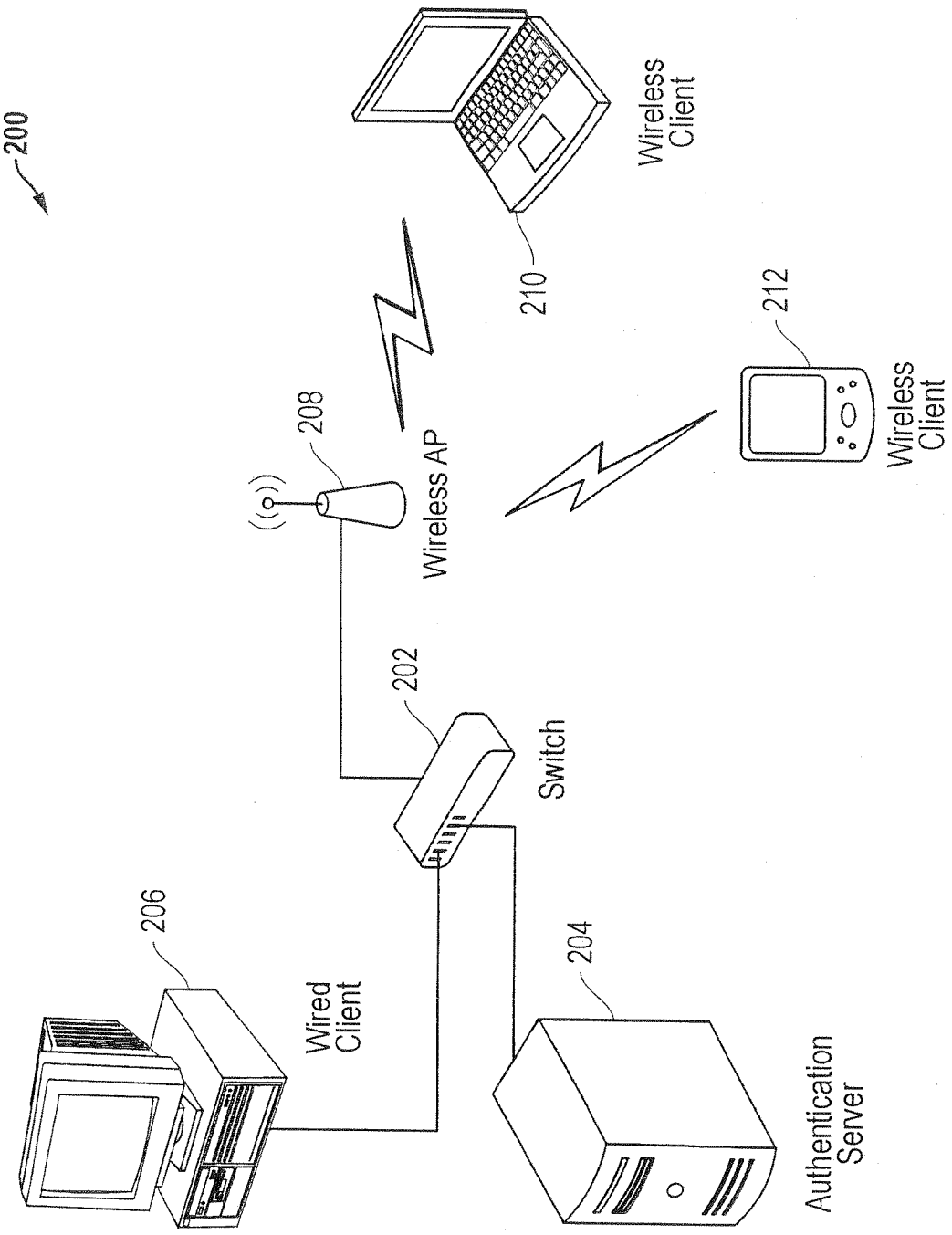

200
Wireless Client
210
212
Wireless Client
208
Wireless AP
202
Switch
206
Wired Client
204
Authentication Server

FIG. 2

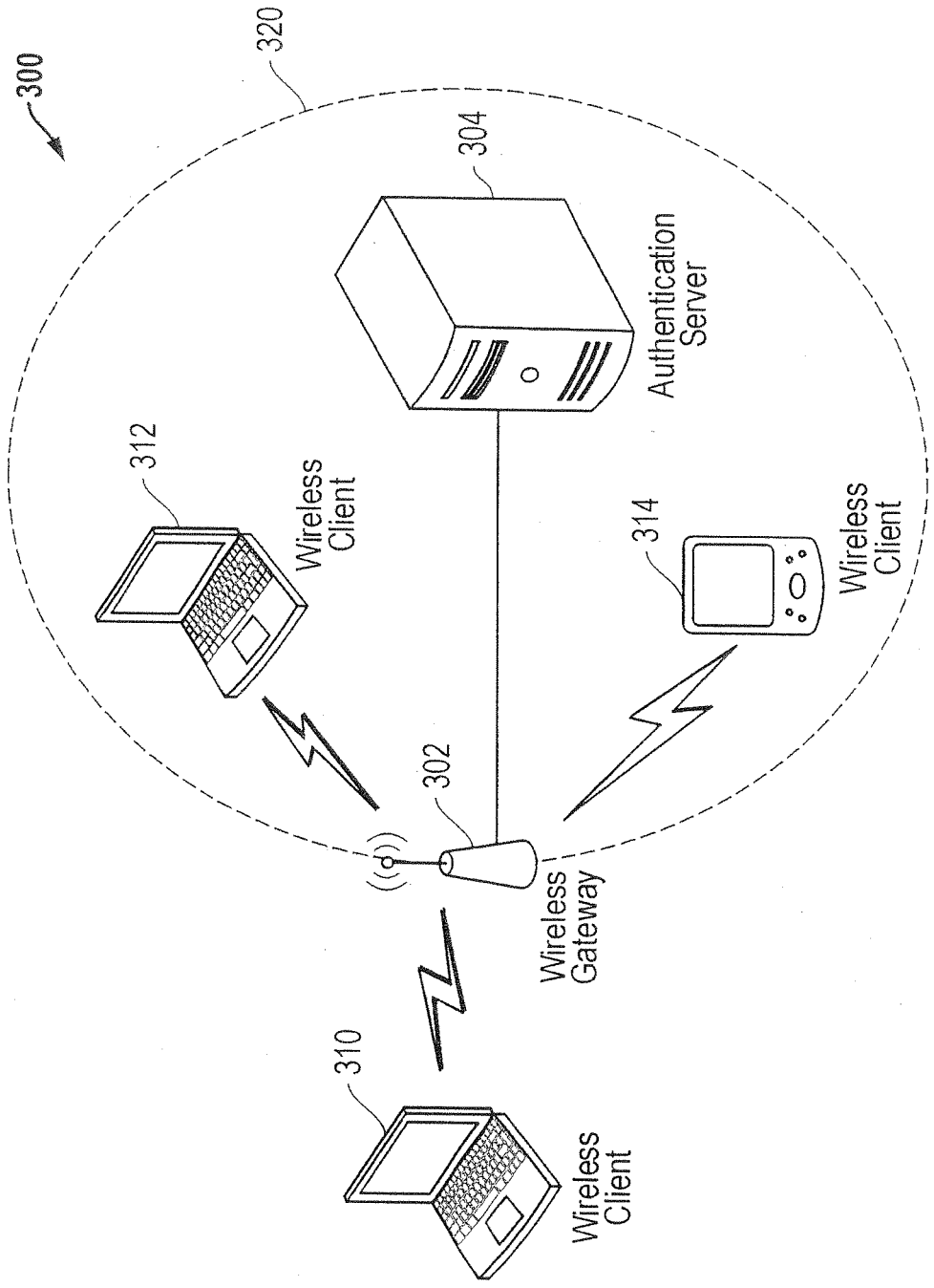

300
320
304
Authentication Server
312
Wireless Client
314
Wireless Client
302
Wireless Gateway
310
Wireless Client

FIG. 3

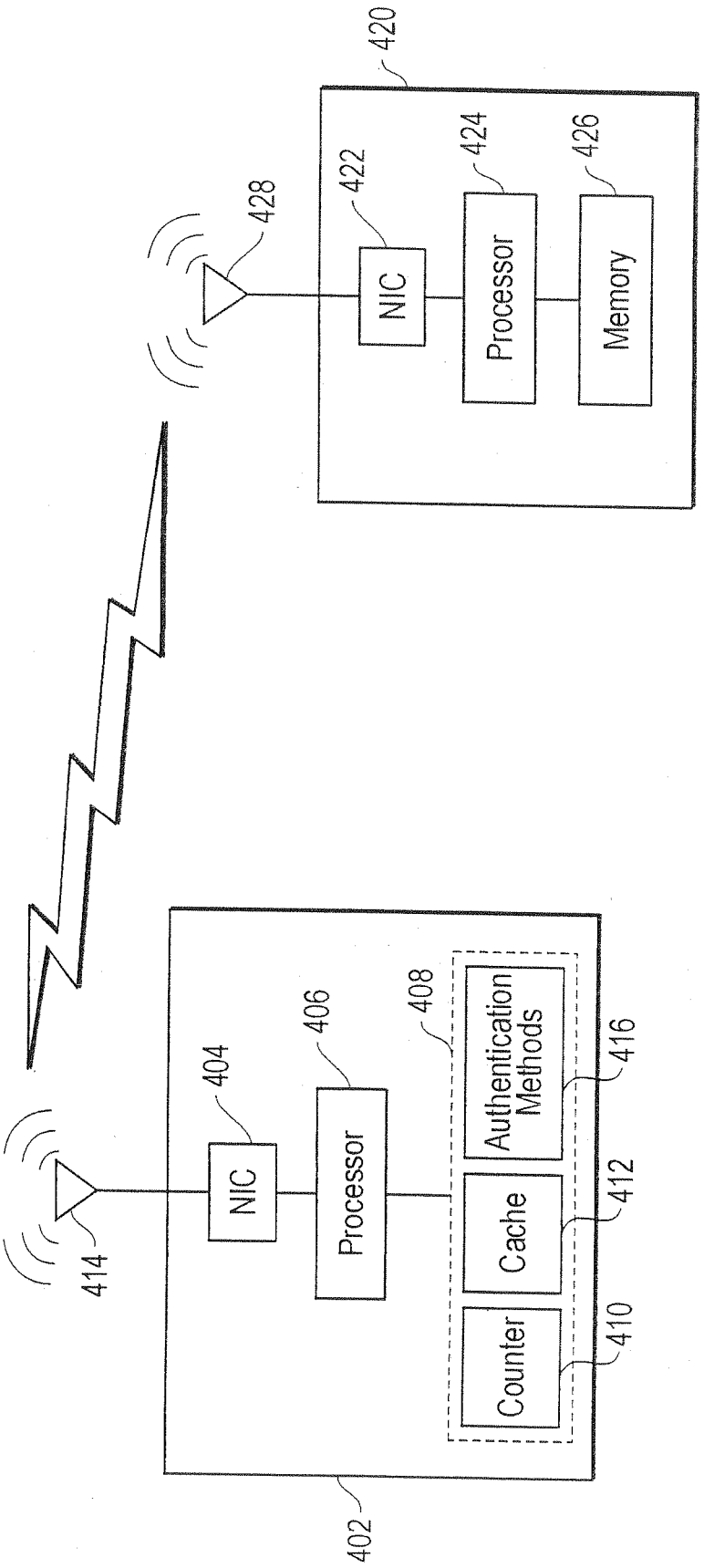

420
424
426
422
428
NIC
Processor
Memory
414
404
406
408
416
412
410
NIC
Processor
Authentication Methods
Cache
Counter
402

FIG. 4

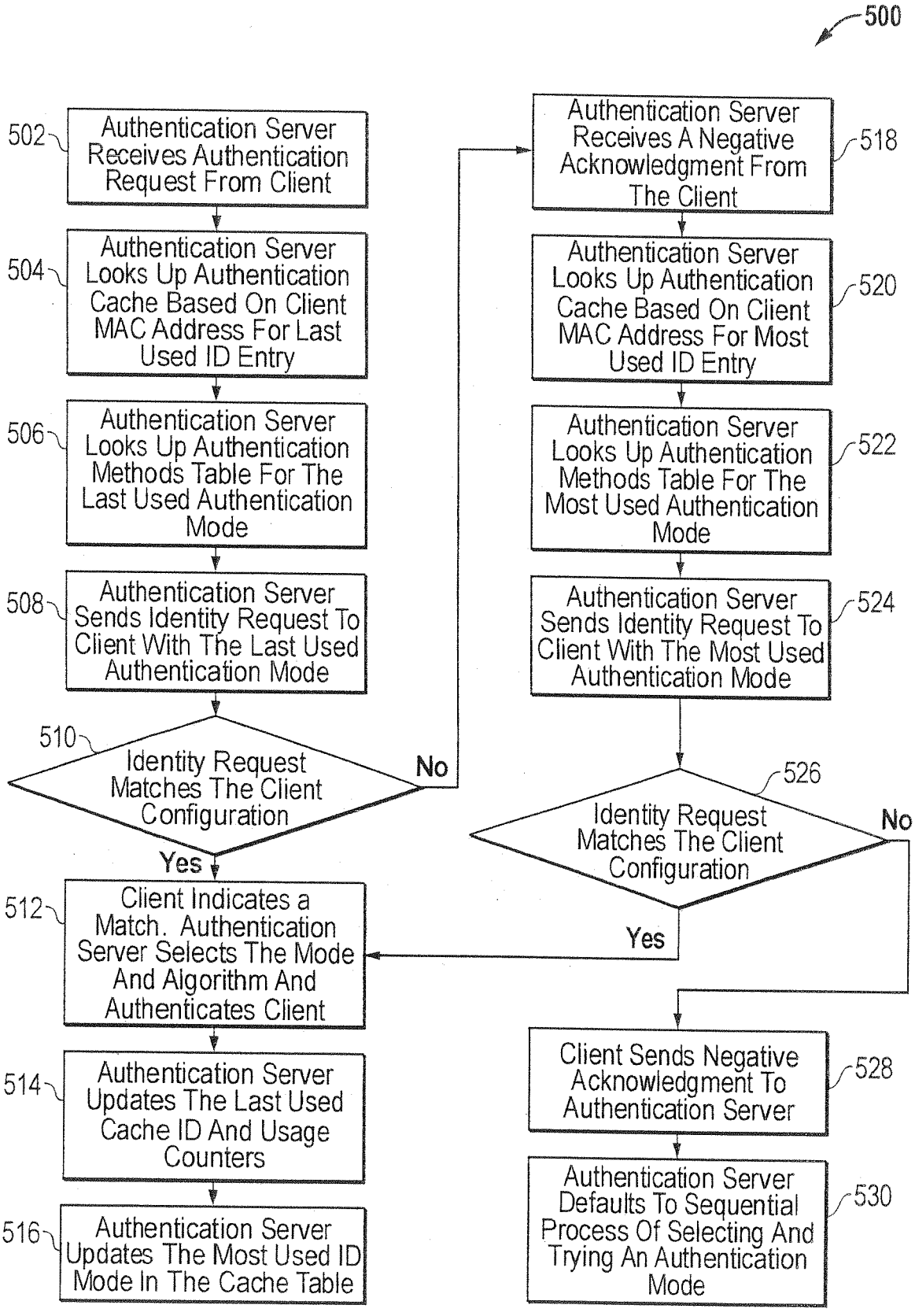

500
502
Authentication Server Receives Authentication Request From Client
504
Authentication Server Looks Up Authentication Cache Based On Client MAC Address For Last Used ID Entry
506
Authentication Server Looks Up Authentication Methods Table For The Last Used Authentication Mode
508
Authentication Server Sends Identity Request To Client With The Last Used Authentication Mode
510
Identity Request Matches The Client Configuration
No
Yes
512
Client Indicates a Match. Authentication Server Selects The Mode And Algorithm And Authenticates Client
514
Authentication Server Updates The Last Used Cache ID And Usage Counters
516
Authentication Server Updates The Most Used ID Mode In The Cache Table
518
Authentication Server Receives A Negative Acknowledgment From The Client
520
Authentication Server Looks Up Authentication Cache Based On Client MAC Address For Most Used ID Entry
522
Authentication Server Looks Up Authentication Methods Table For The Most Used Authentication Mode
524
Authentication Server Sends Identity Request To Client With The Most Used Authentication Mode
526
Identity Request Matches The Client Configuration
No
Yes
528
Client Sends Negative Acknowledgment To Authentication Server
530
Authentication Server Defaults To Sequential Process Of Selecting And Trying An Authentication Mode

FIG. 5

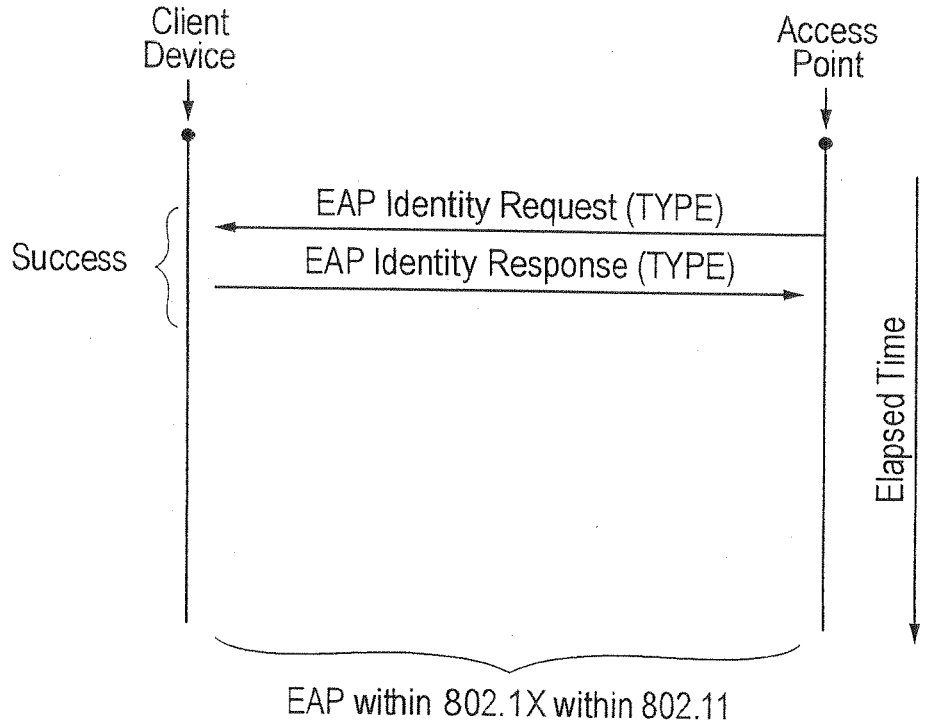

Client Device
Access Point
EAP Identity Request (TYPE)
EAP Identity Response (TYPE)
Success
Elapsed Time
EAP within 802.1X within 802.11

FIG. 6