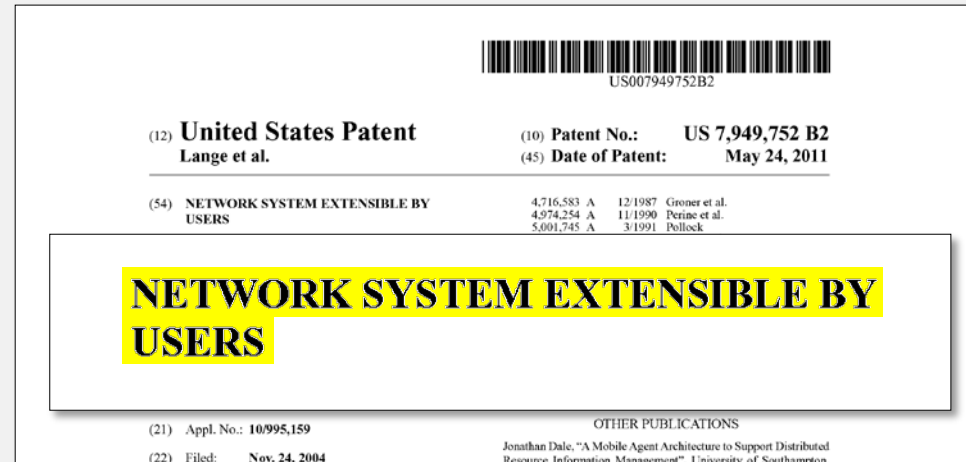


# The '752 Patent

# The '752 Patent



## Tutorial Focus

- 1 Commands Invoked Via URL
- 2 Network Side Resources
- 3 Extensible By Users



# The '752 Patent



US007949752B2

(12) **United States Patent**  
**Lange et al.**  
 (10) **Patent No.:** **US 7,949,752 B2**  
 (45) **Date of Patent:** **May 24, 2011**

(54) **NETWORK SYSTEM EXTENSIBLE BY USERS**  
 (75) **Inventors:** **Danny Lange**, Cupertino, CA (US);  
**Barbara Nelson**, San Mateo, CA (US);  
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 (73) **Assignee:** **Ben Franklin Patent Holding LLC**, Los Altos, CA (US)

(\* ) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 1390 days.  
 EP 0 495310 A2 7/1992  
 (Continued)

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 (22) **Filed:** **Nov. 24, 2004**  
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 US 2005/0091305 A1 Apr. 28, 2005  
**Related U.S. Application Data**  
 (63) Continuation of application No. 09/712,712, filed on Nov. 14, 2000, now Pat. No. 6,839,733, which is a continuation of application No. 09/178,366, filed on Oct. 23, 1998, now Pat. No. 6,163,794.  
 (51) **Int. Cl.**  
**G06F 15/173** (2006.01)  
**G06F 15/16** (2006.01)  
 (52) **U.S. Cl.** ..... **709/226; 709/202**  
 (58) **Field of Classification Search** ..... 709/202, 709/226  
 See application file for complete search history.  
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*Primary Examiner* — Douglas B Blair  
 (74) *Attorney, Agent, or Firm* — Sterne, Kessler, Goldstein & Fox P.L.L.C.

(57) **ABSTRACT**  
 In one aspect, a network system includes a user interface which allows a user to interact with the network system. An agent server is coupled to the user interface. The agent server manages the operation of the network system. Furthermore, the agent server in conjunction with the user interface is operable to create or modify an agent in response to interaction by the user. In another aspect, a network system includes an agent server which manages the operation of the network system. An agent is operable to utilize a service within the network system. A service wrapper, associated with the service, cooperates with the agent server to mediate interaction between the service and the agent.

**34 Claims, 17 Drawing Sheets**

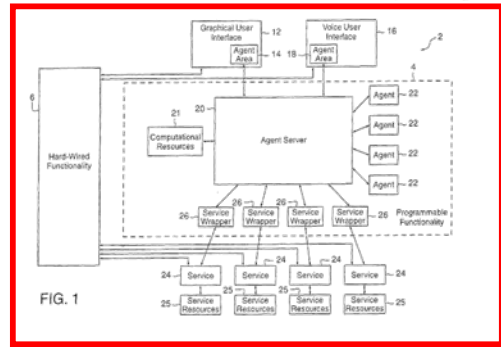
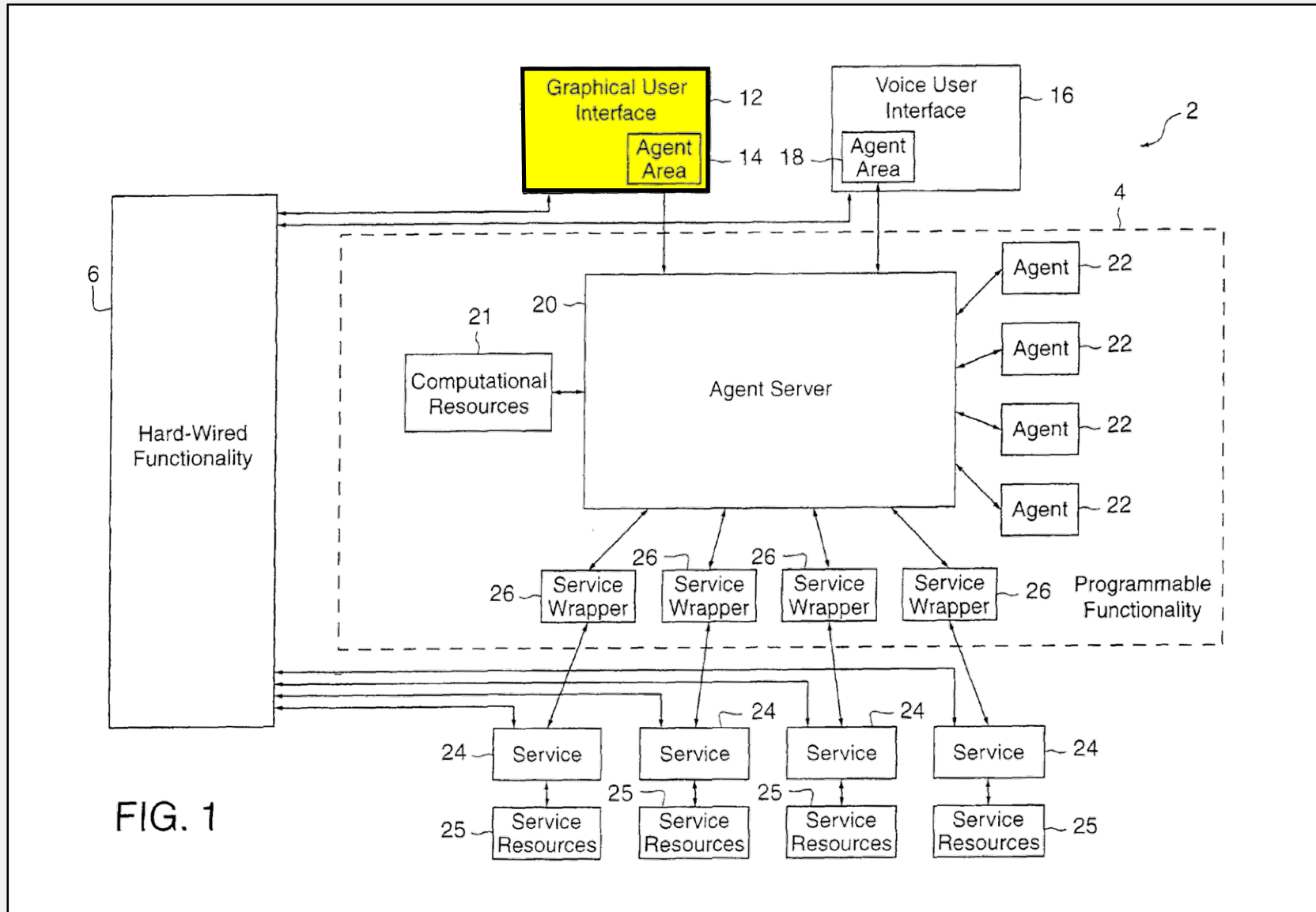


FIG. 1

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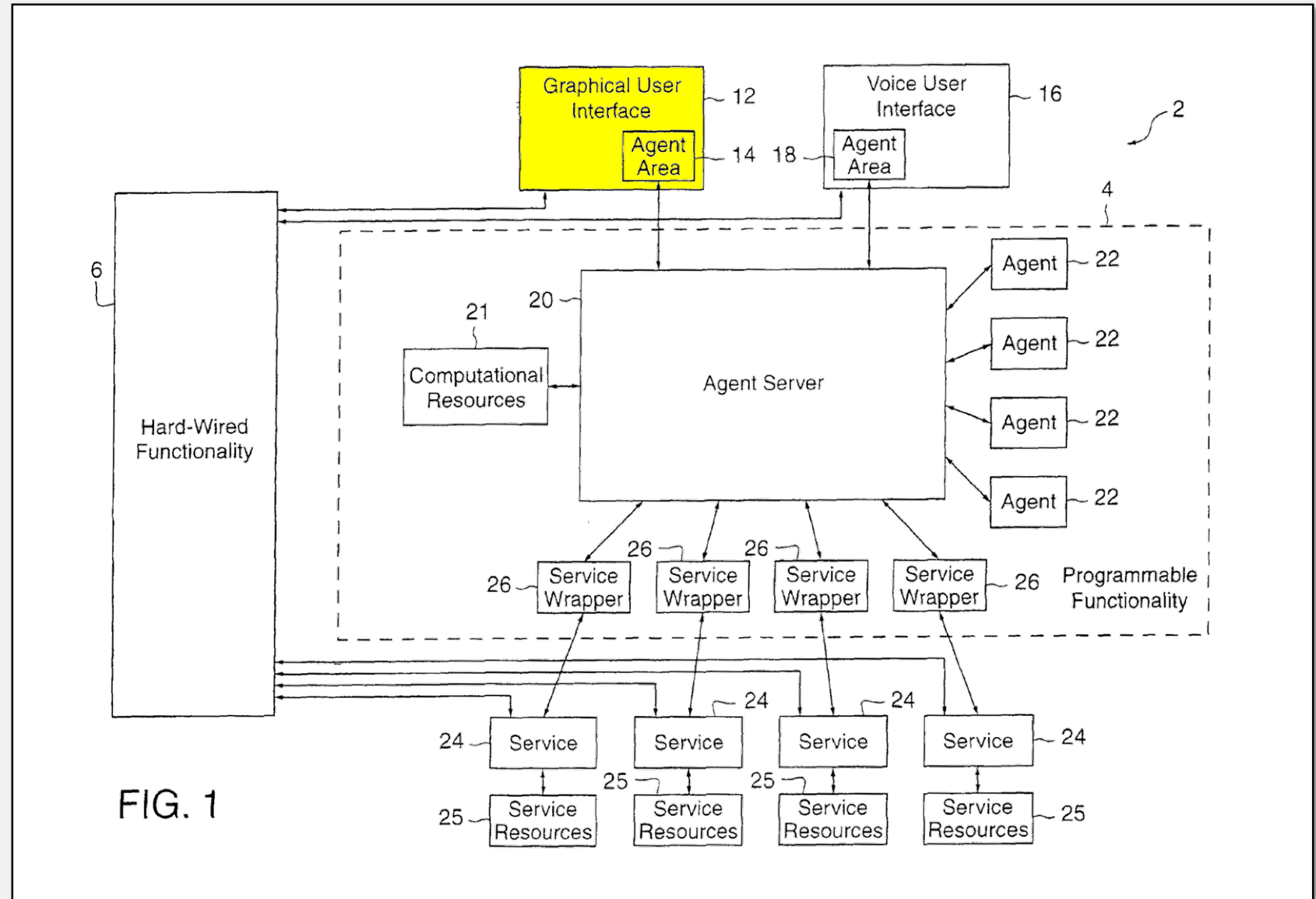
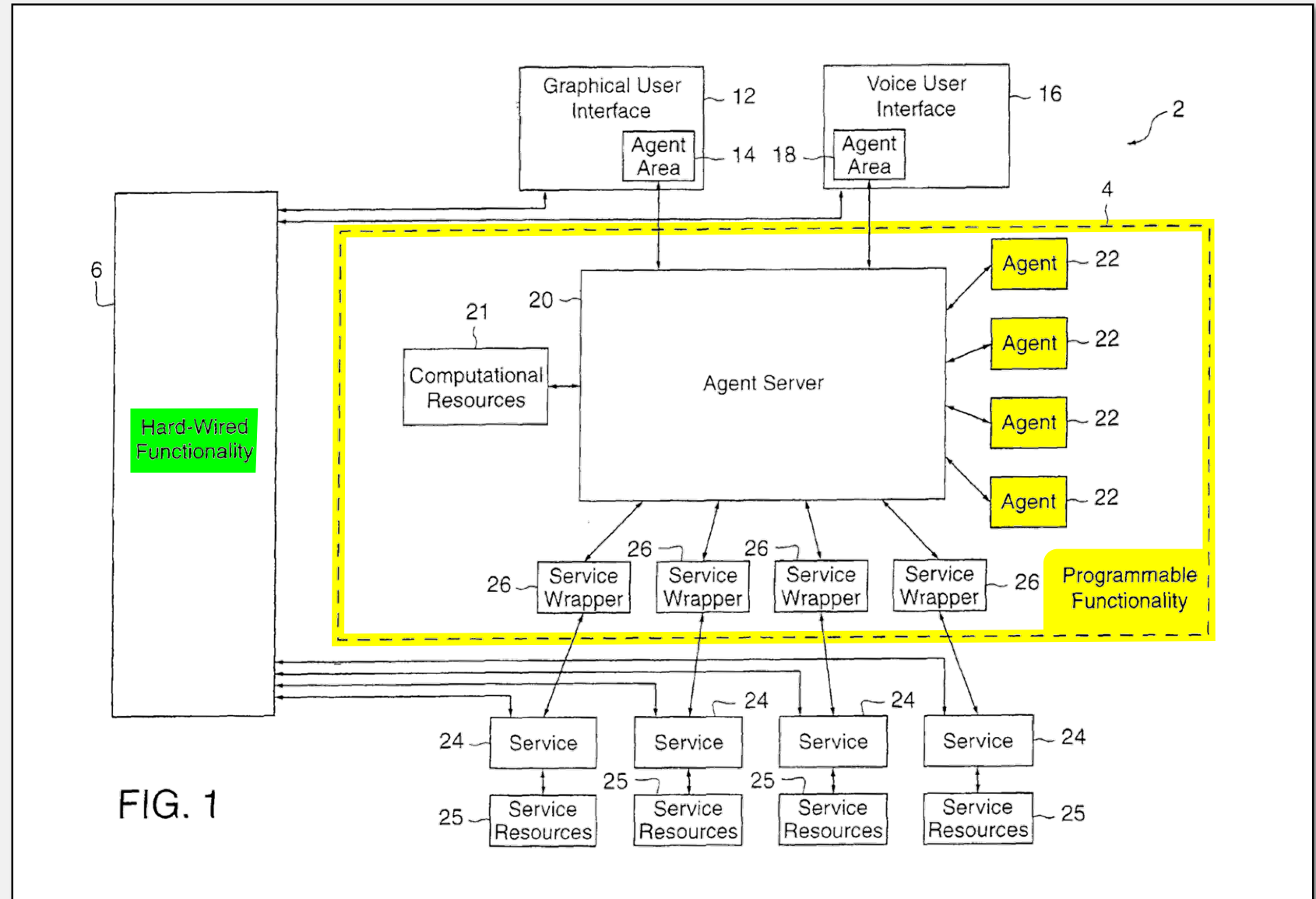
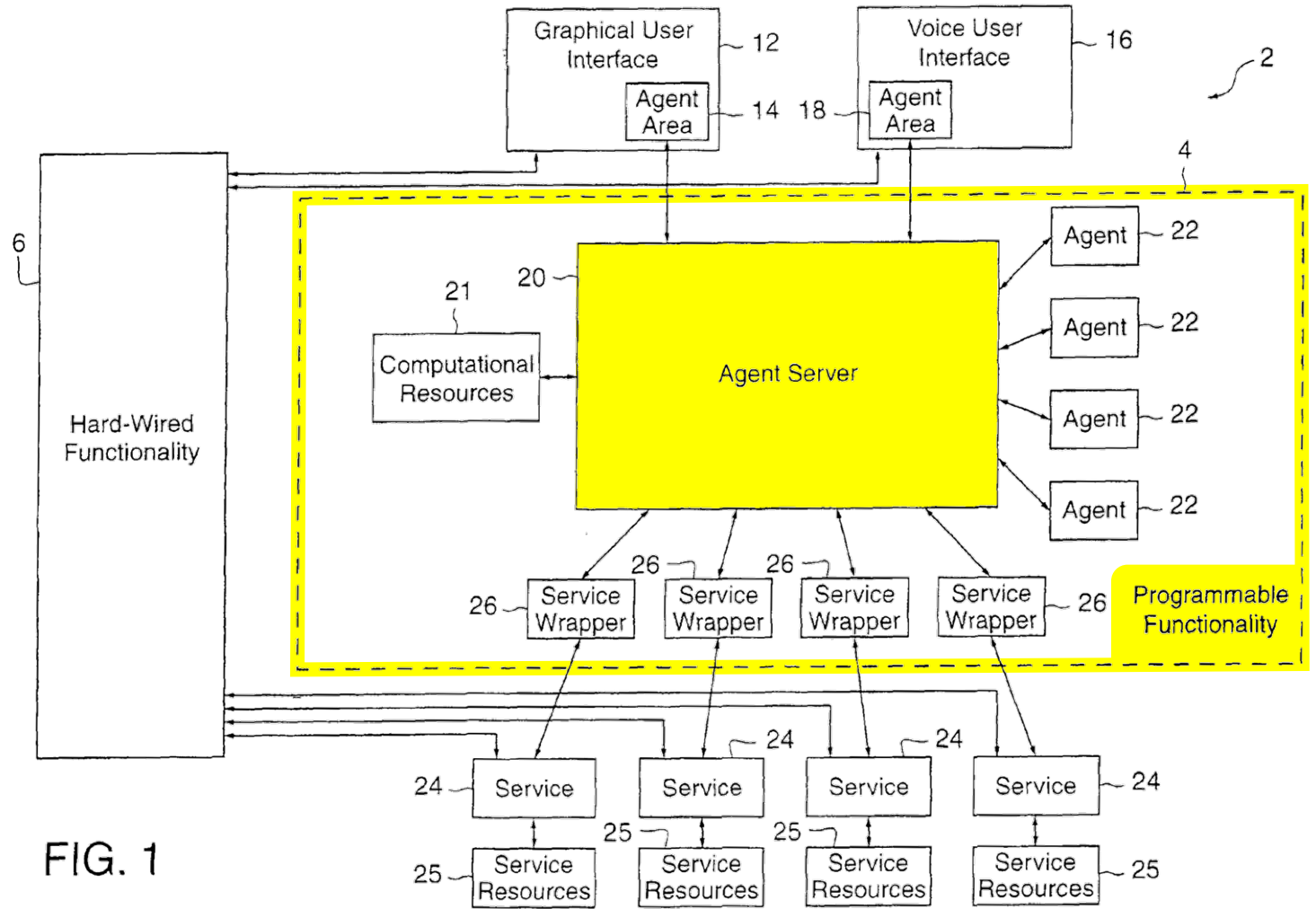


FIG. 1

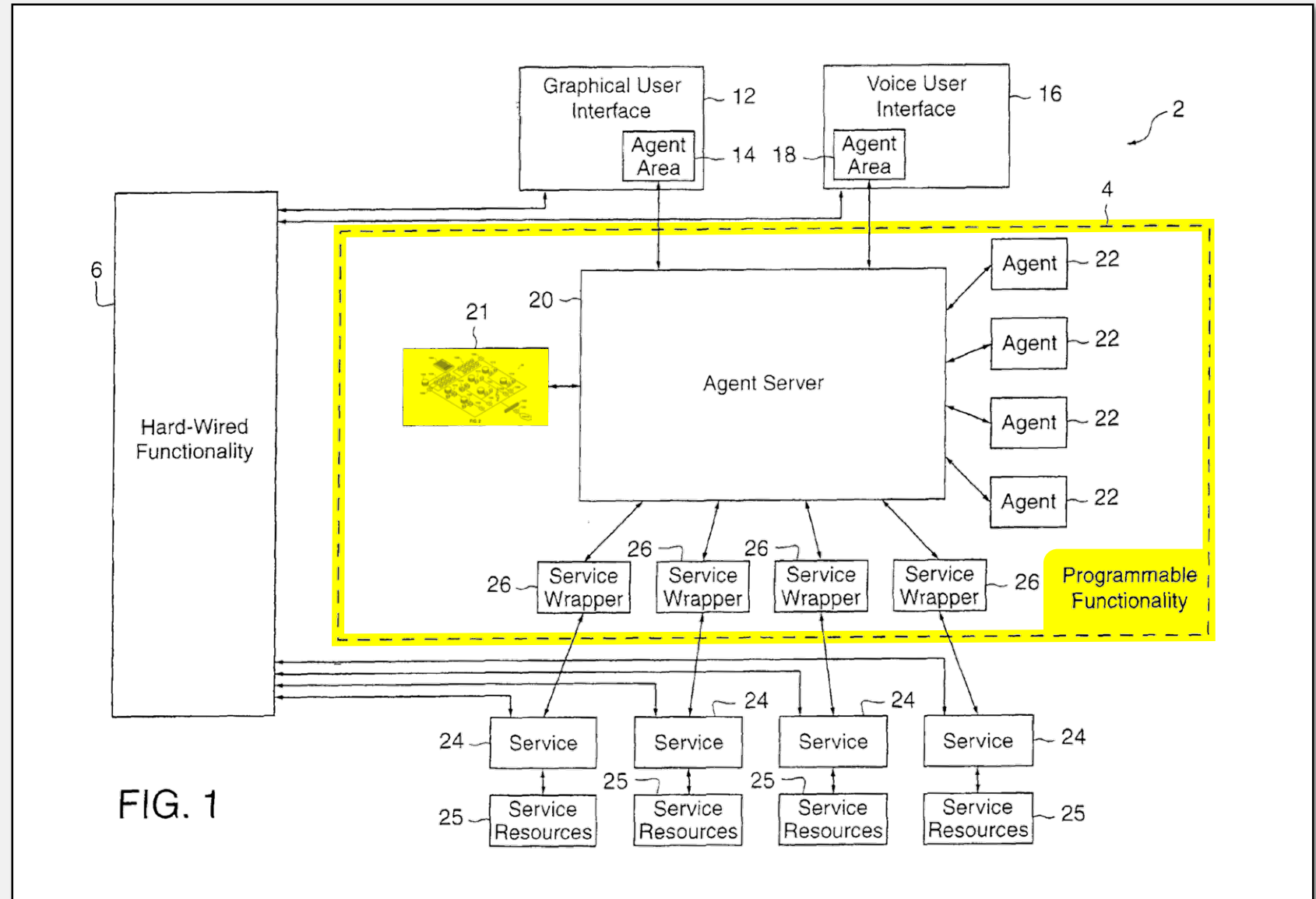
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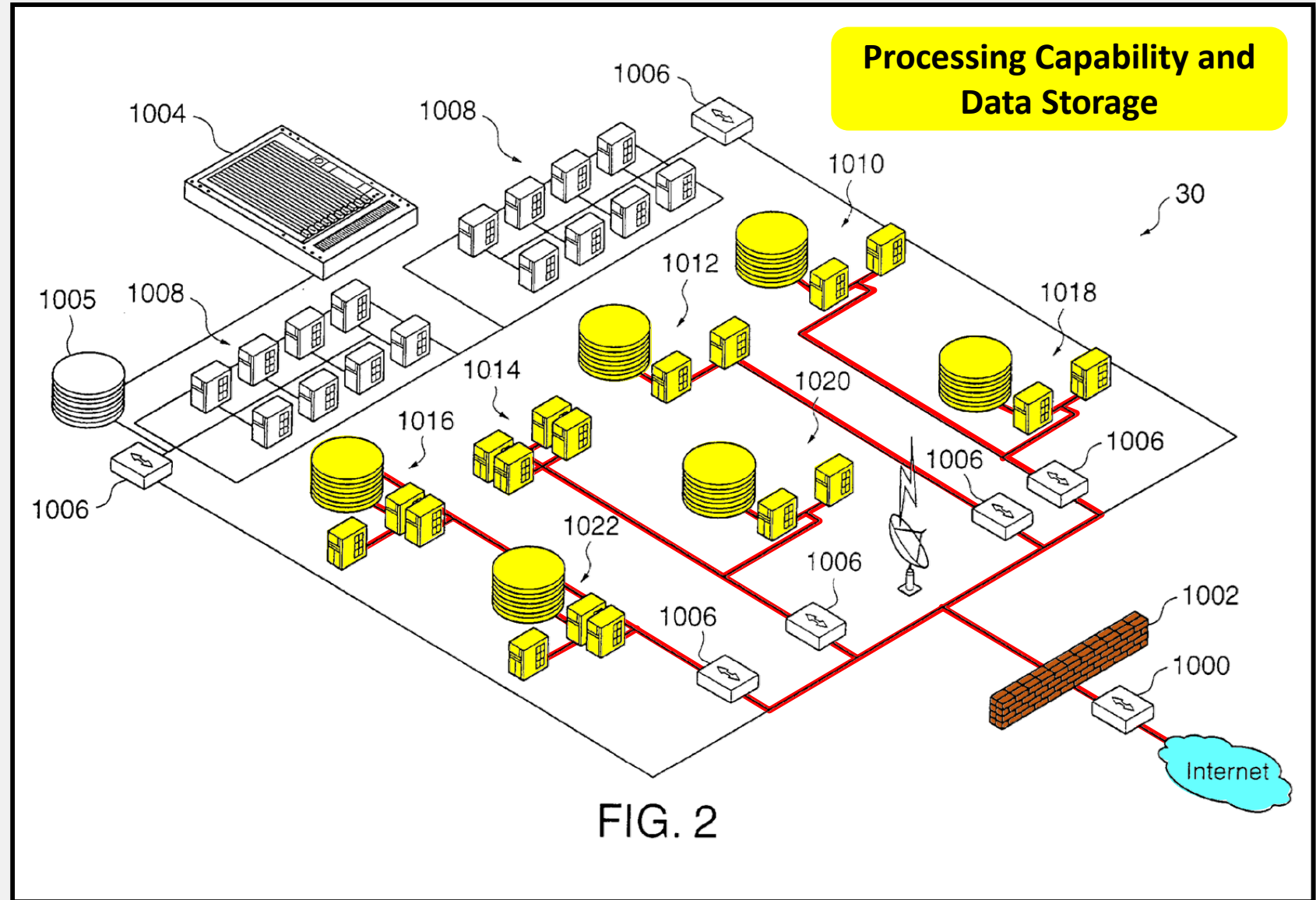


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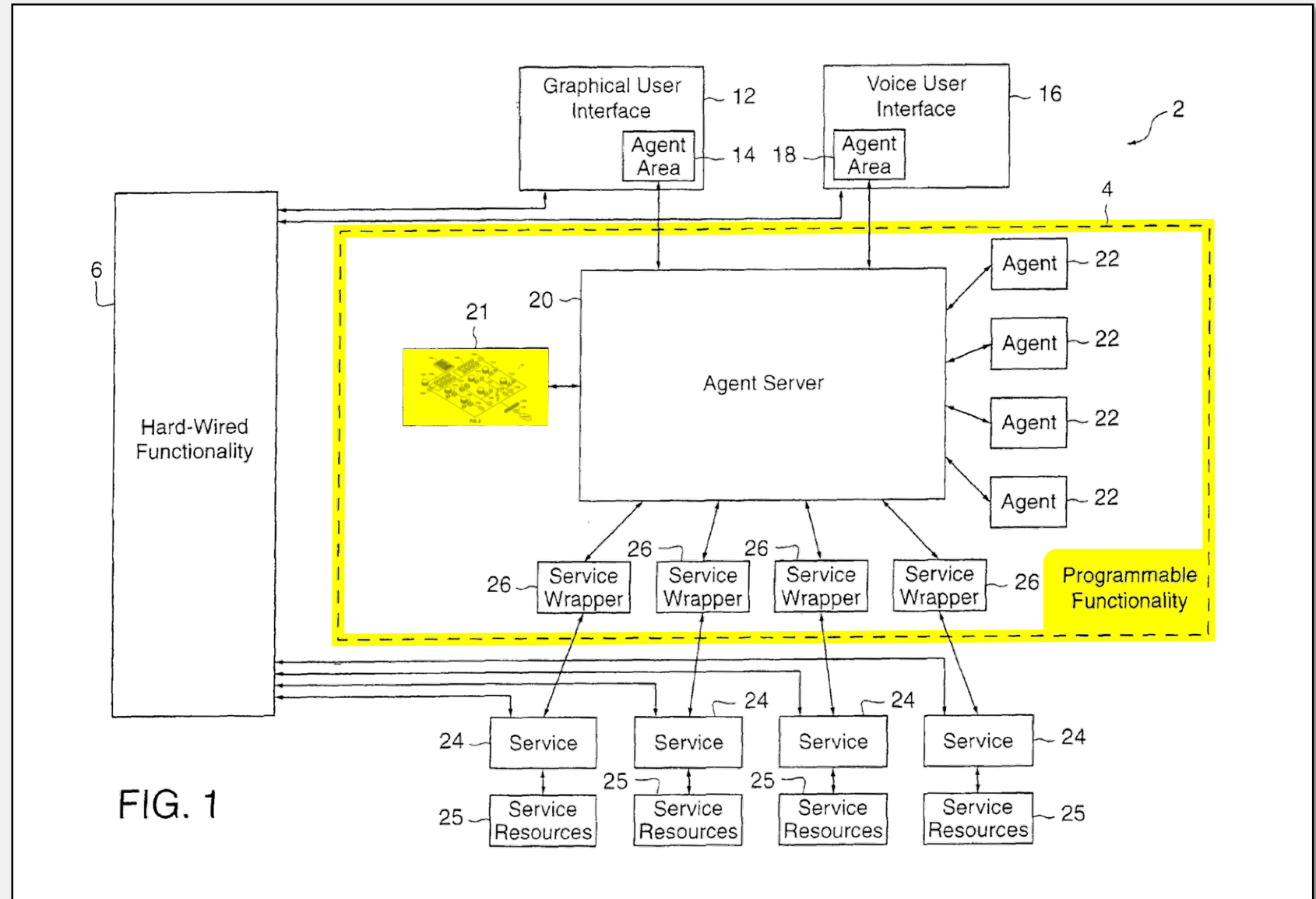




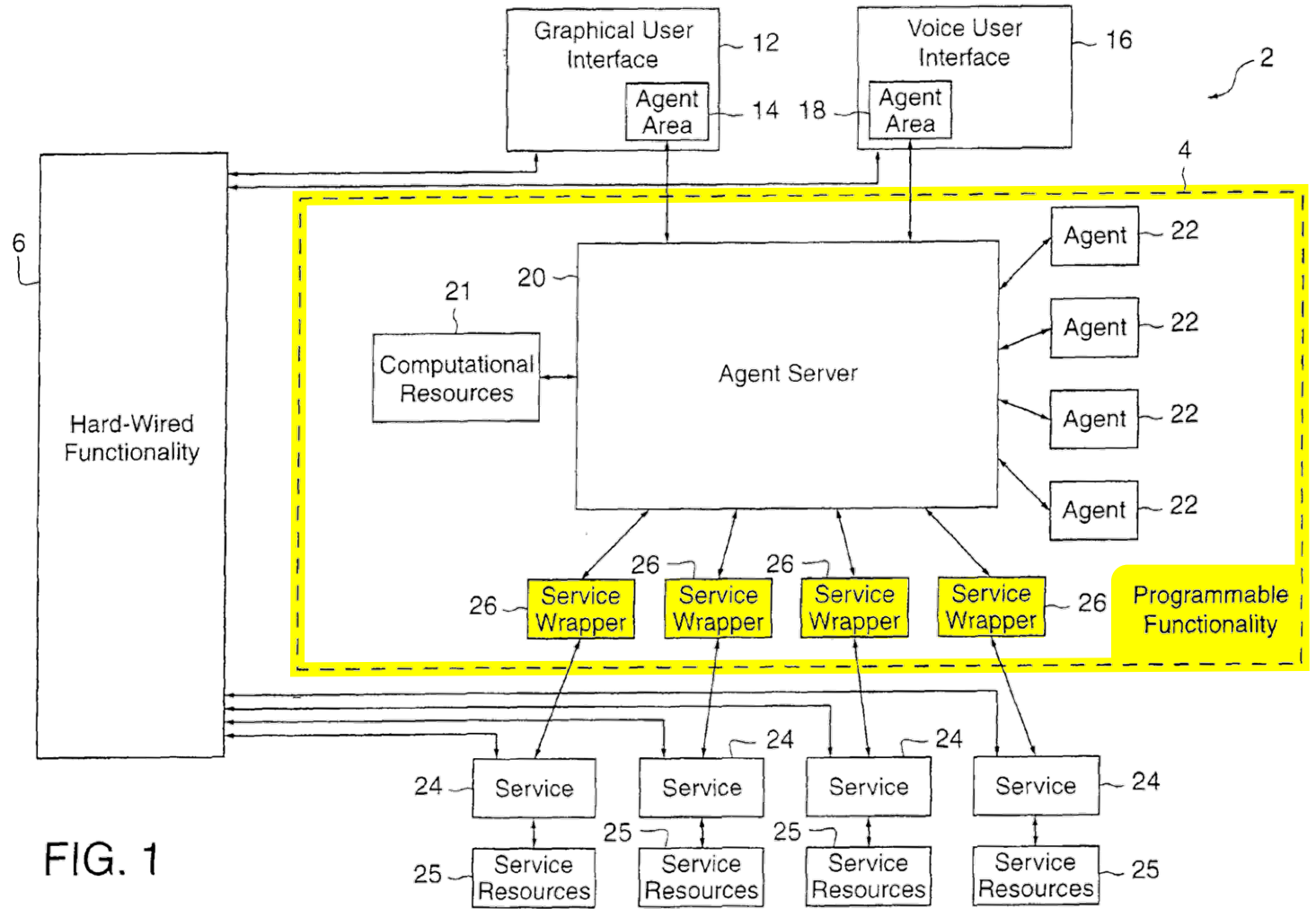
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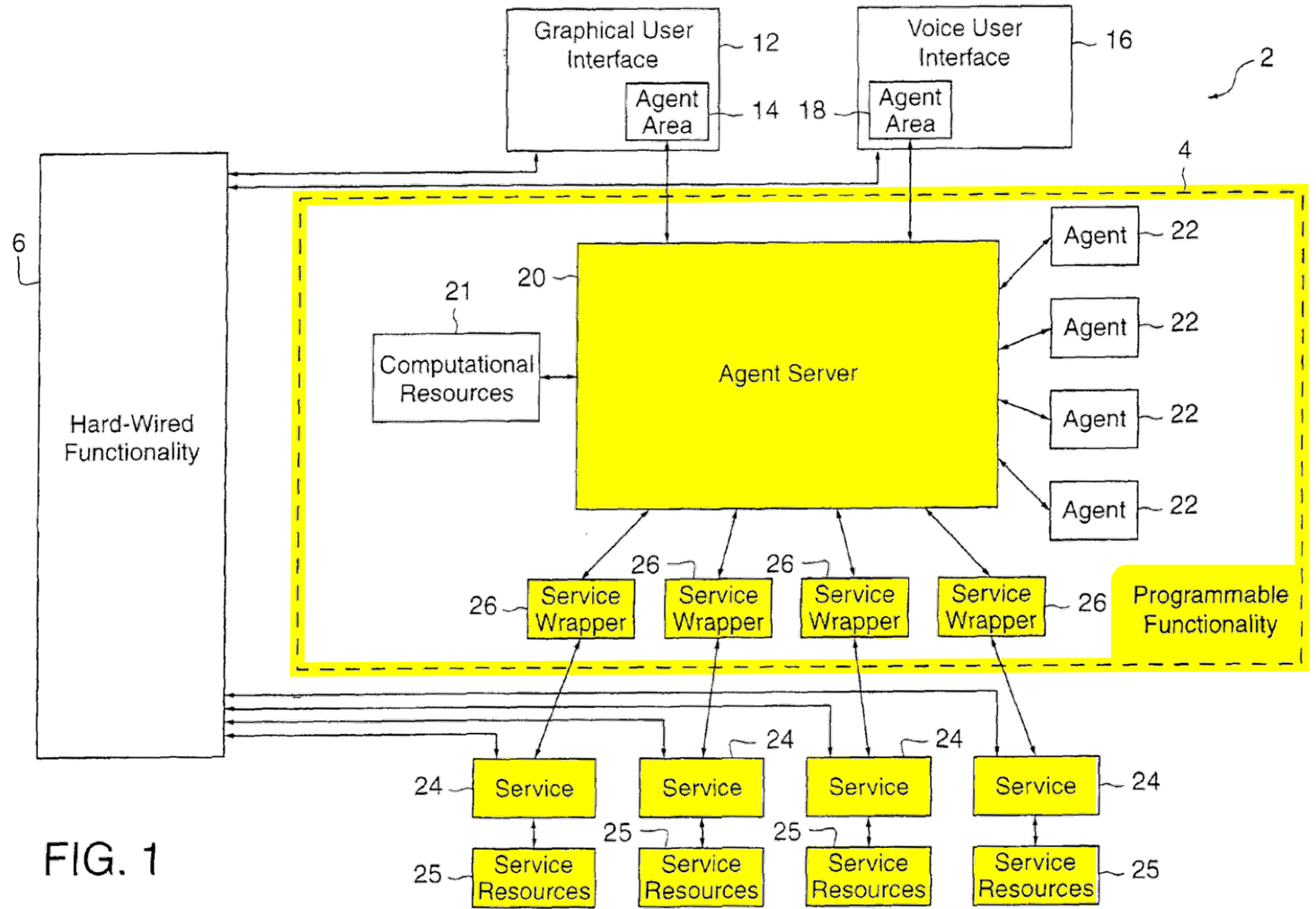
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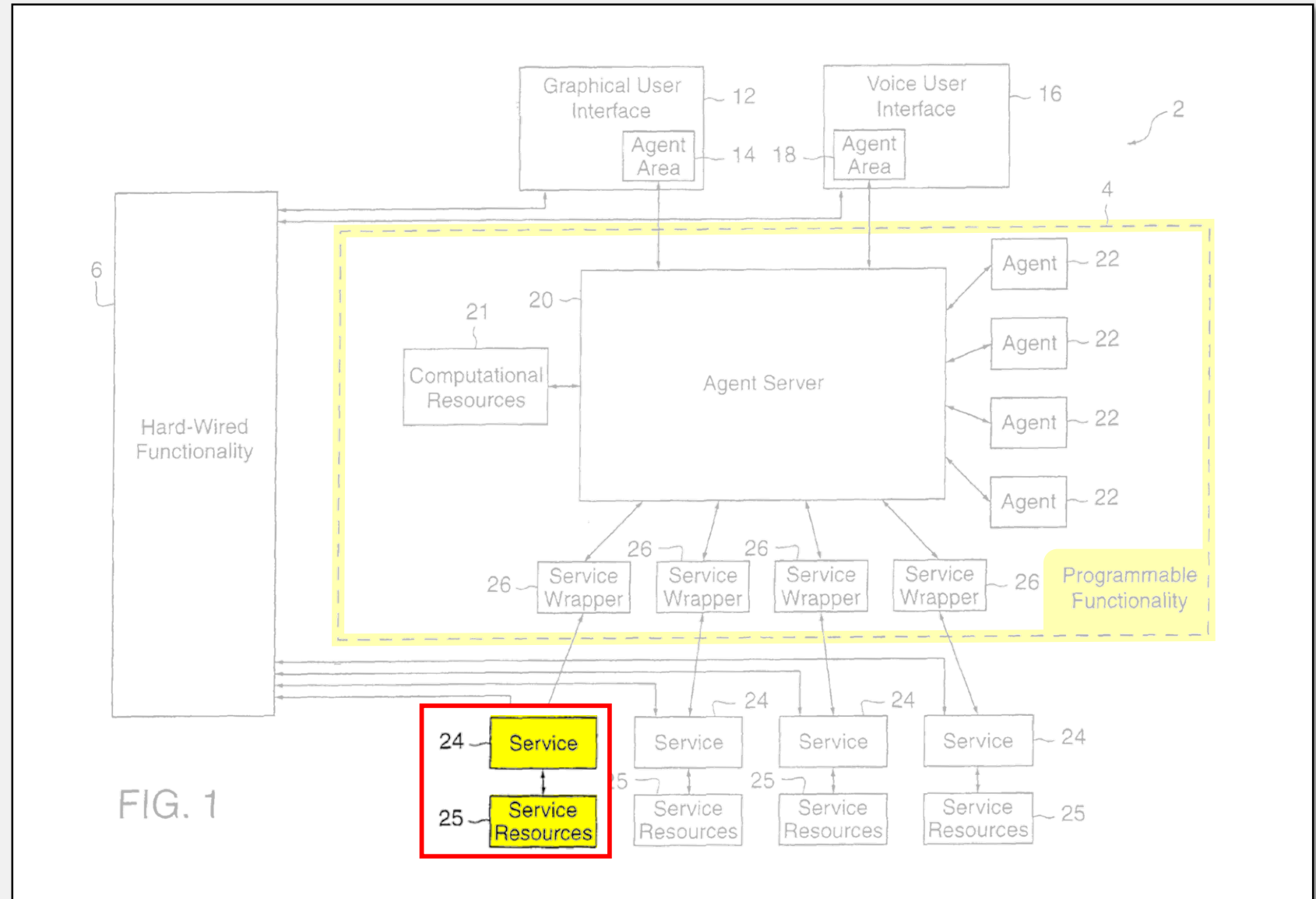
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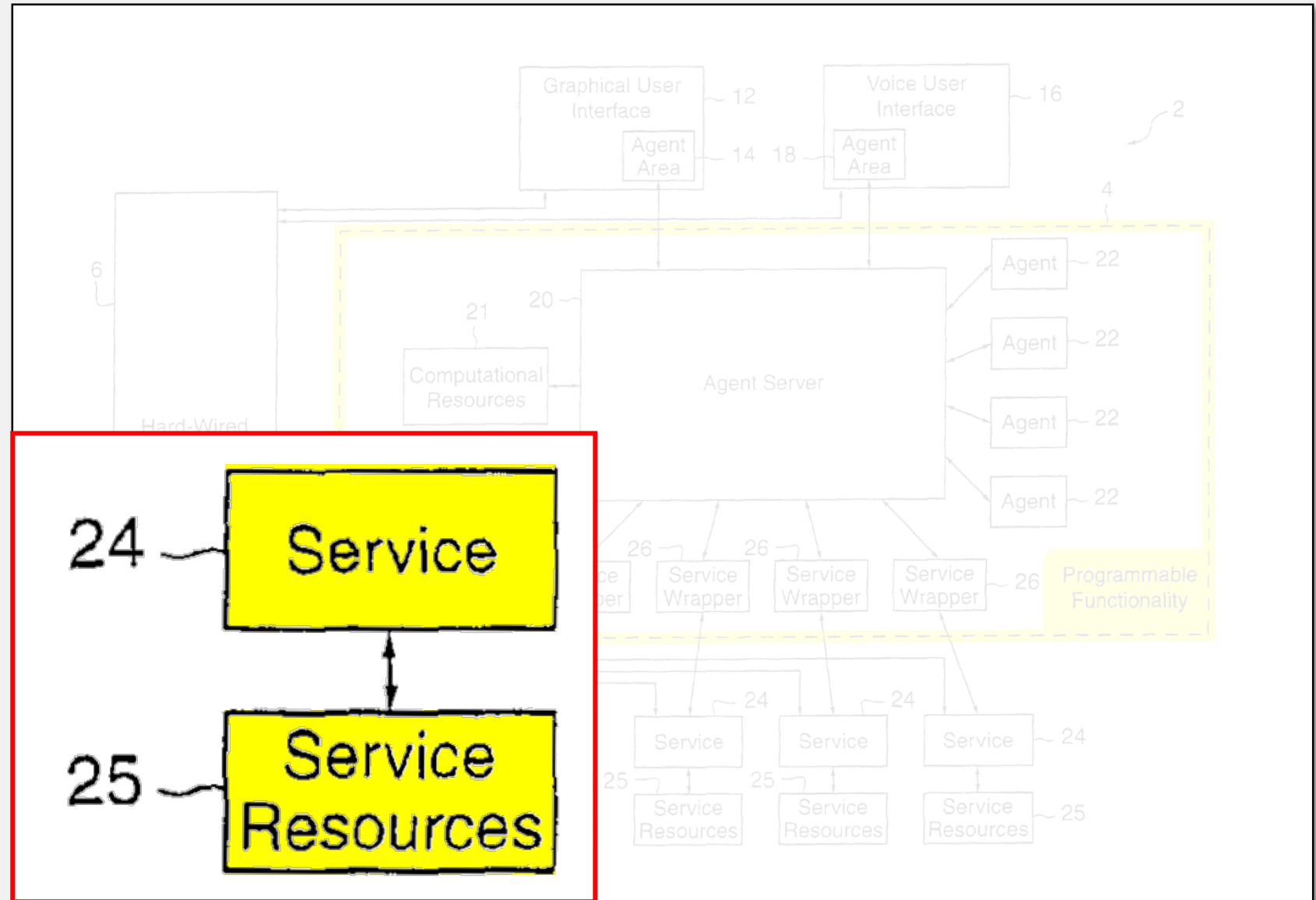
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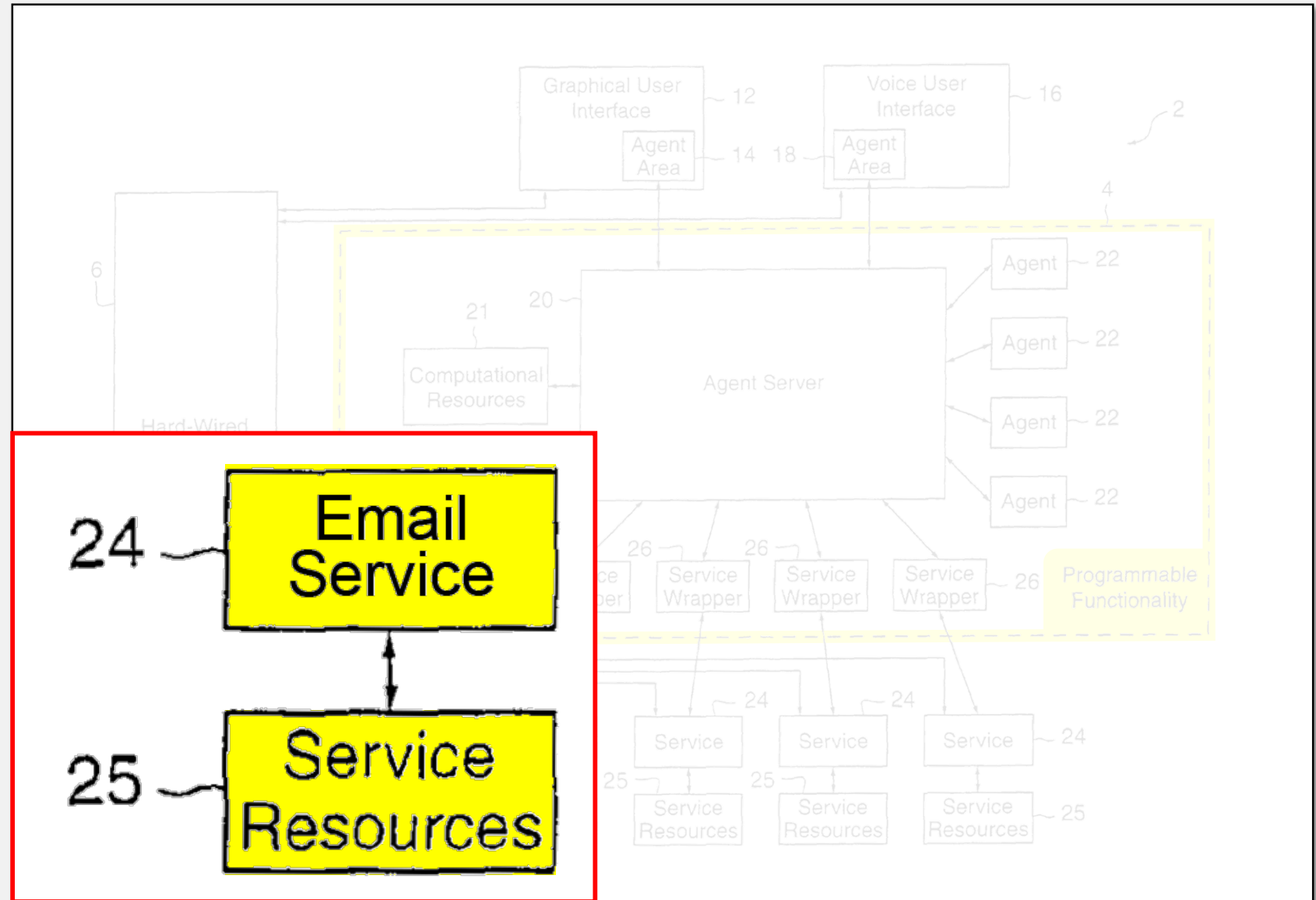
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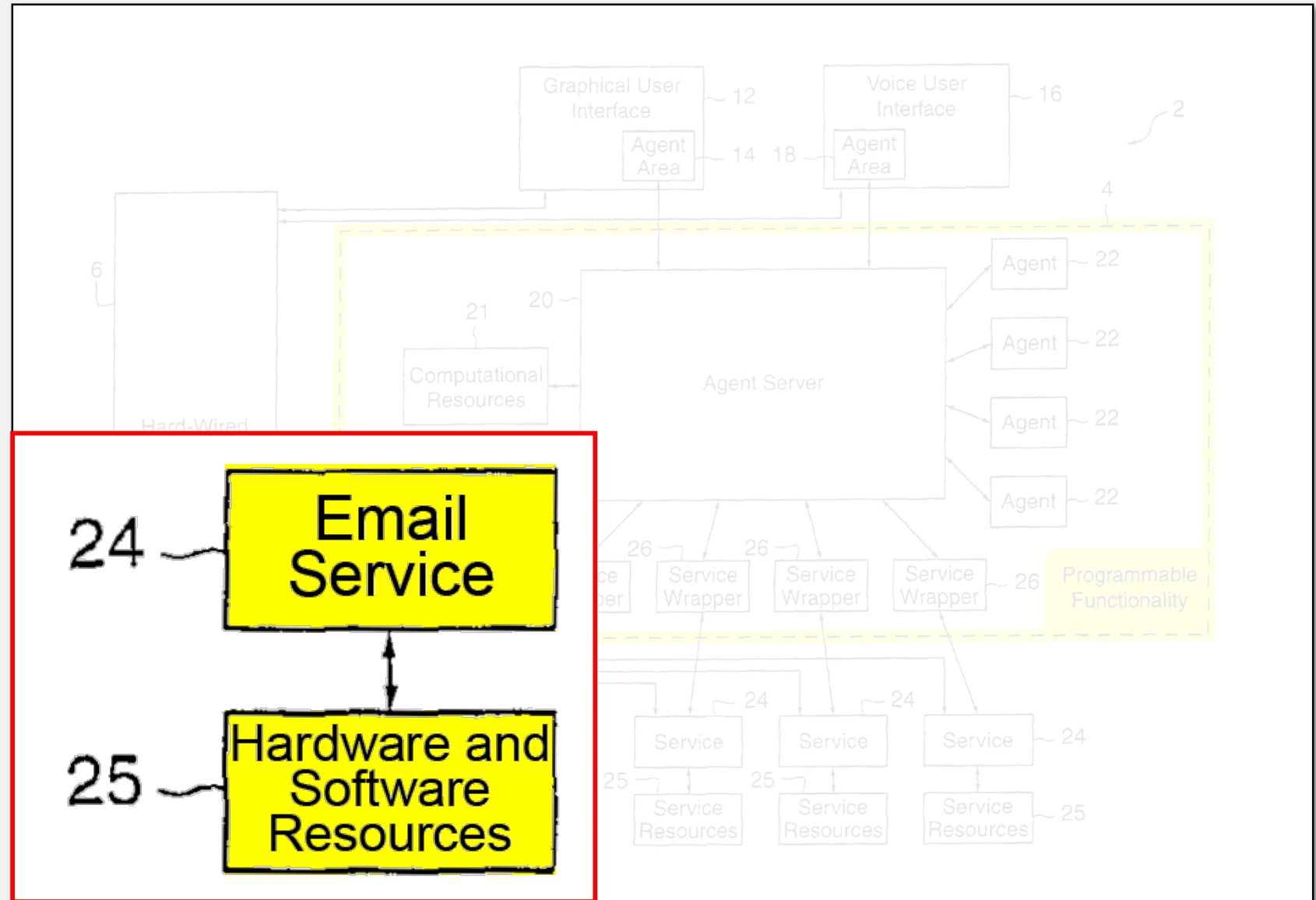
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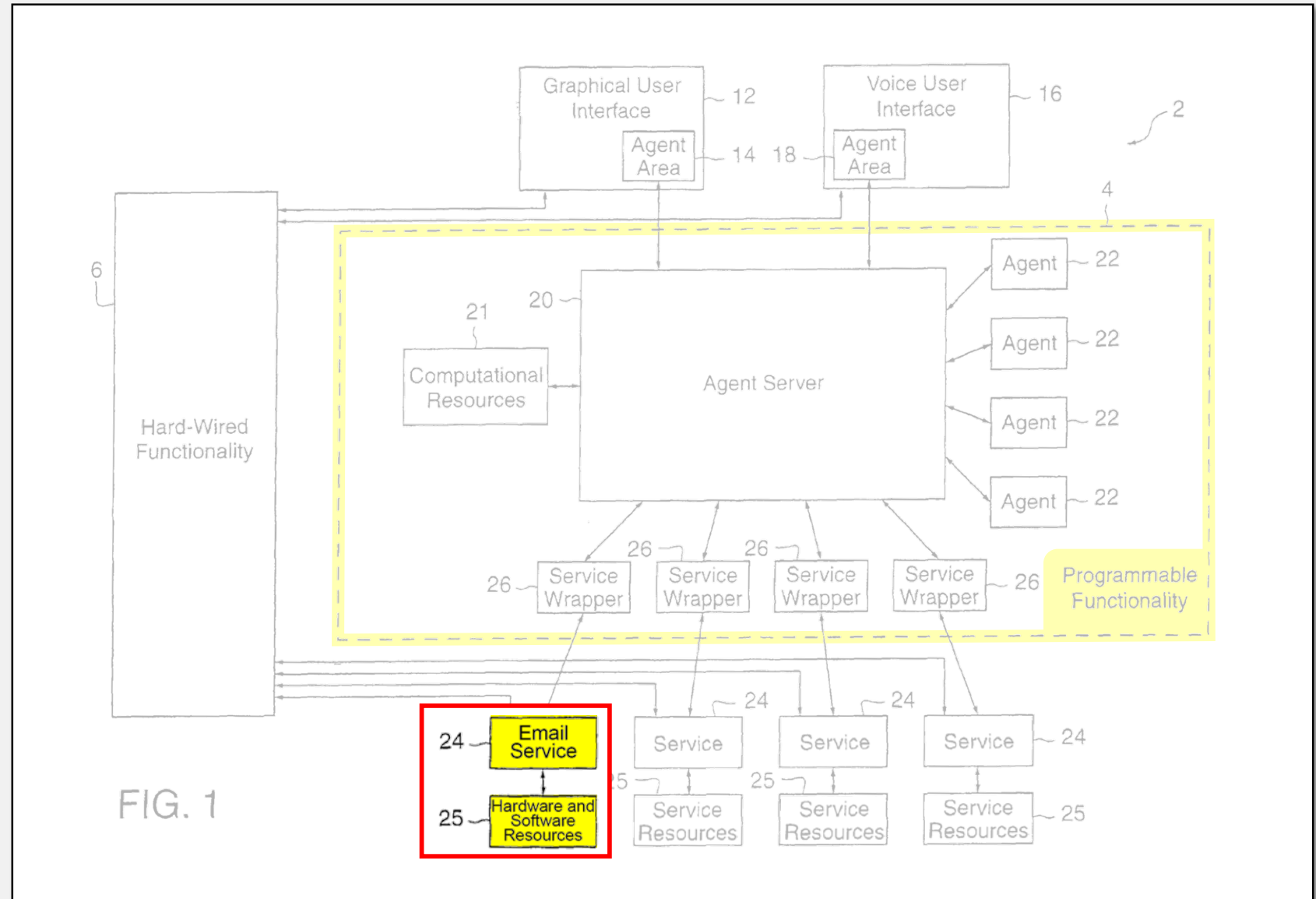


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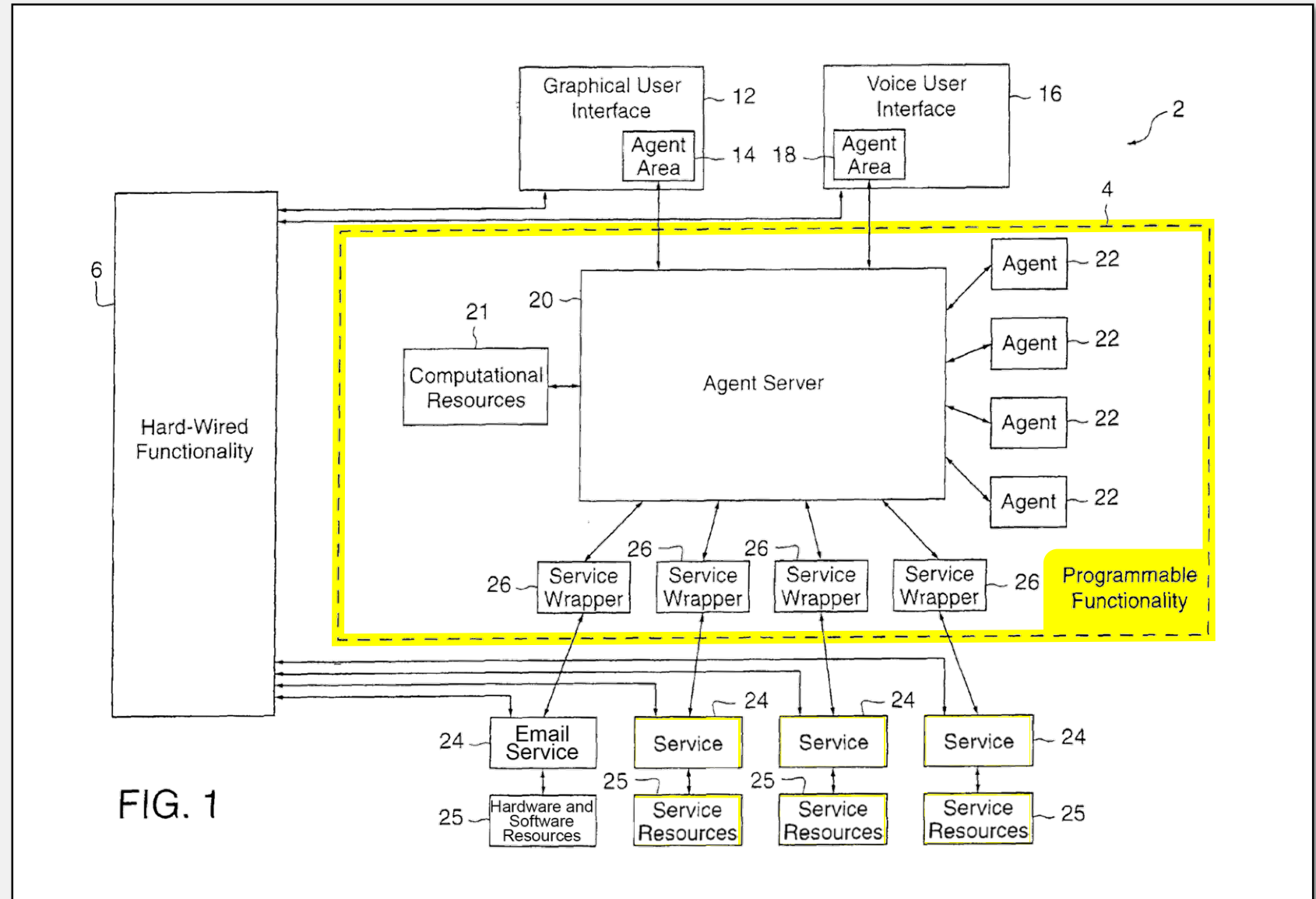




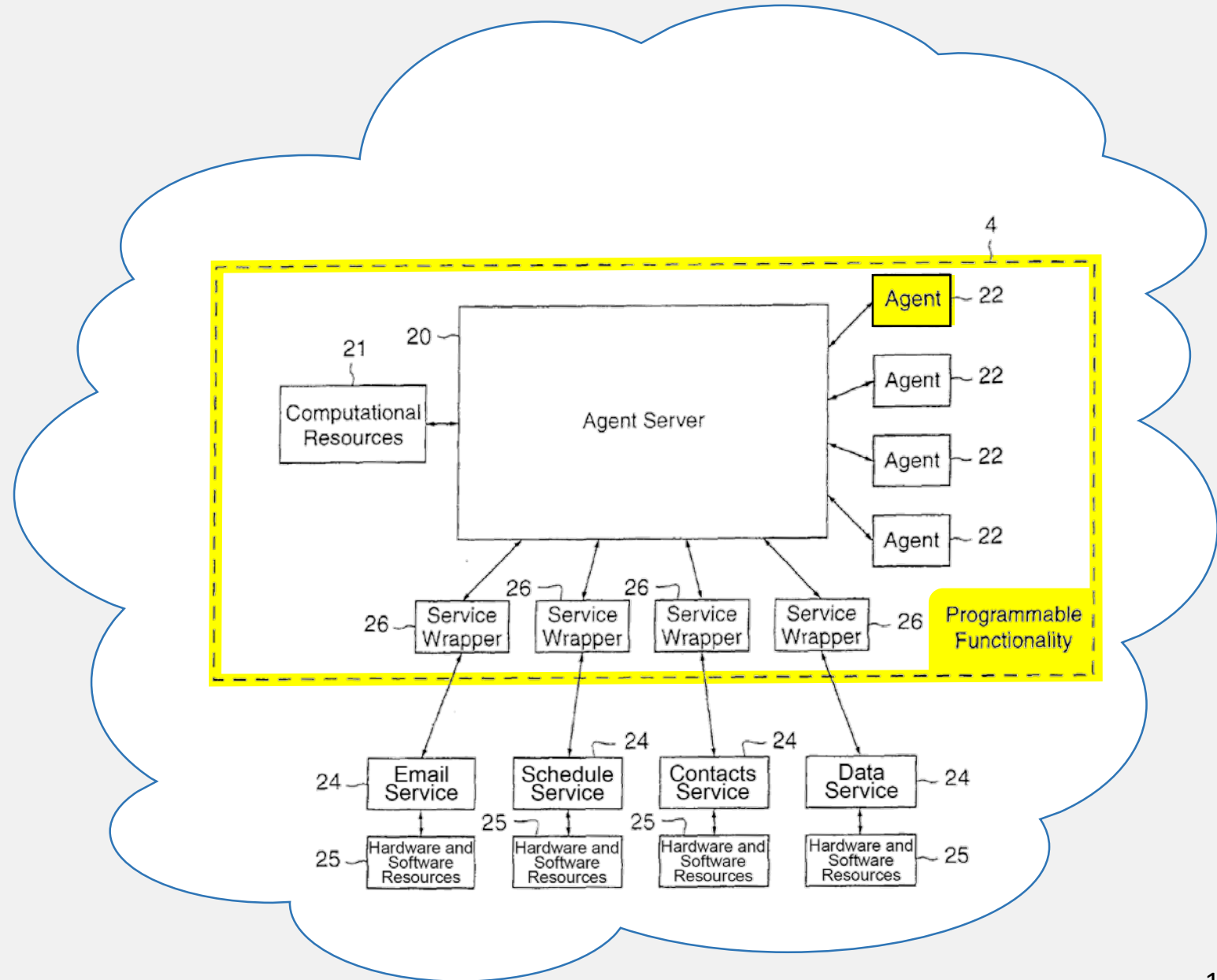
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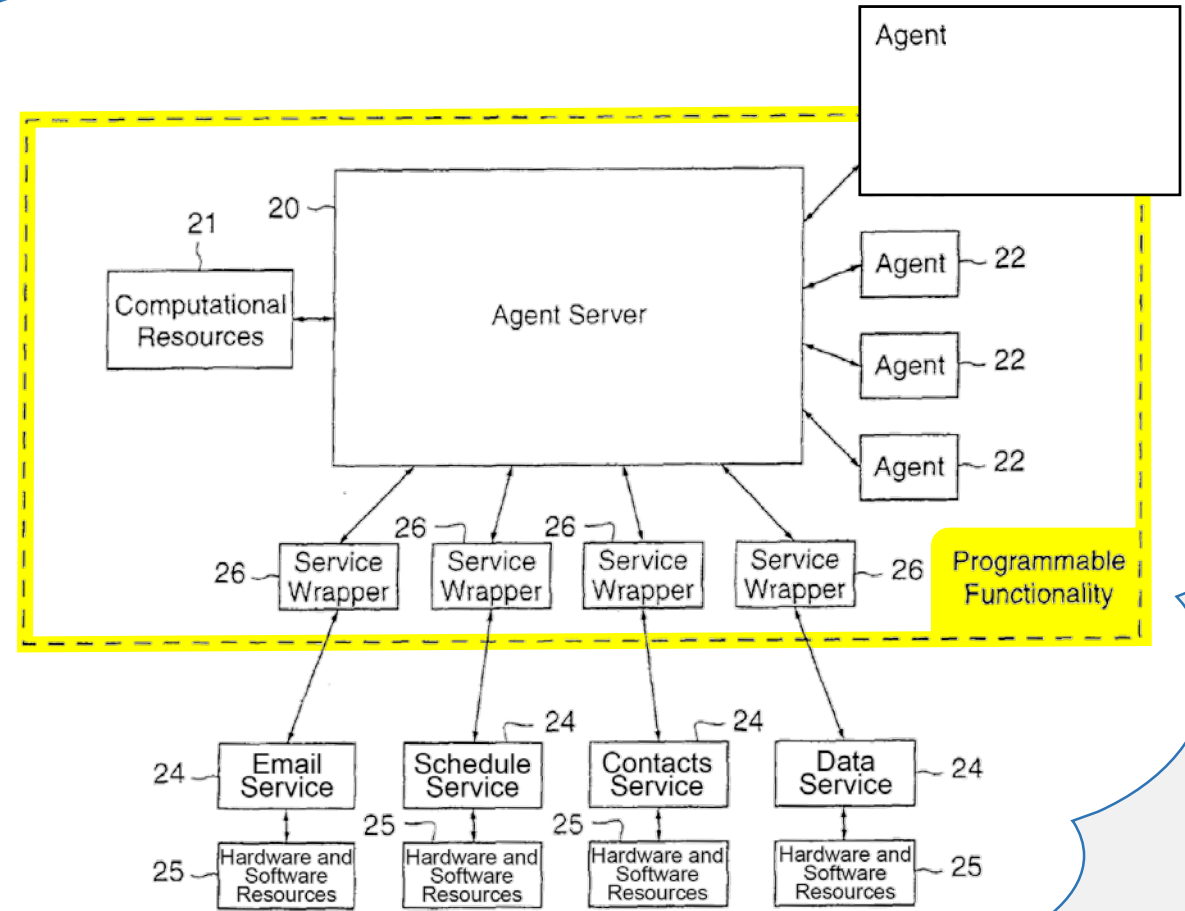
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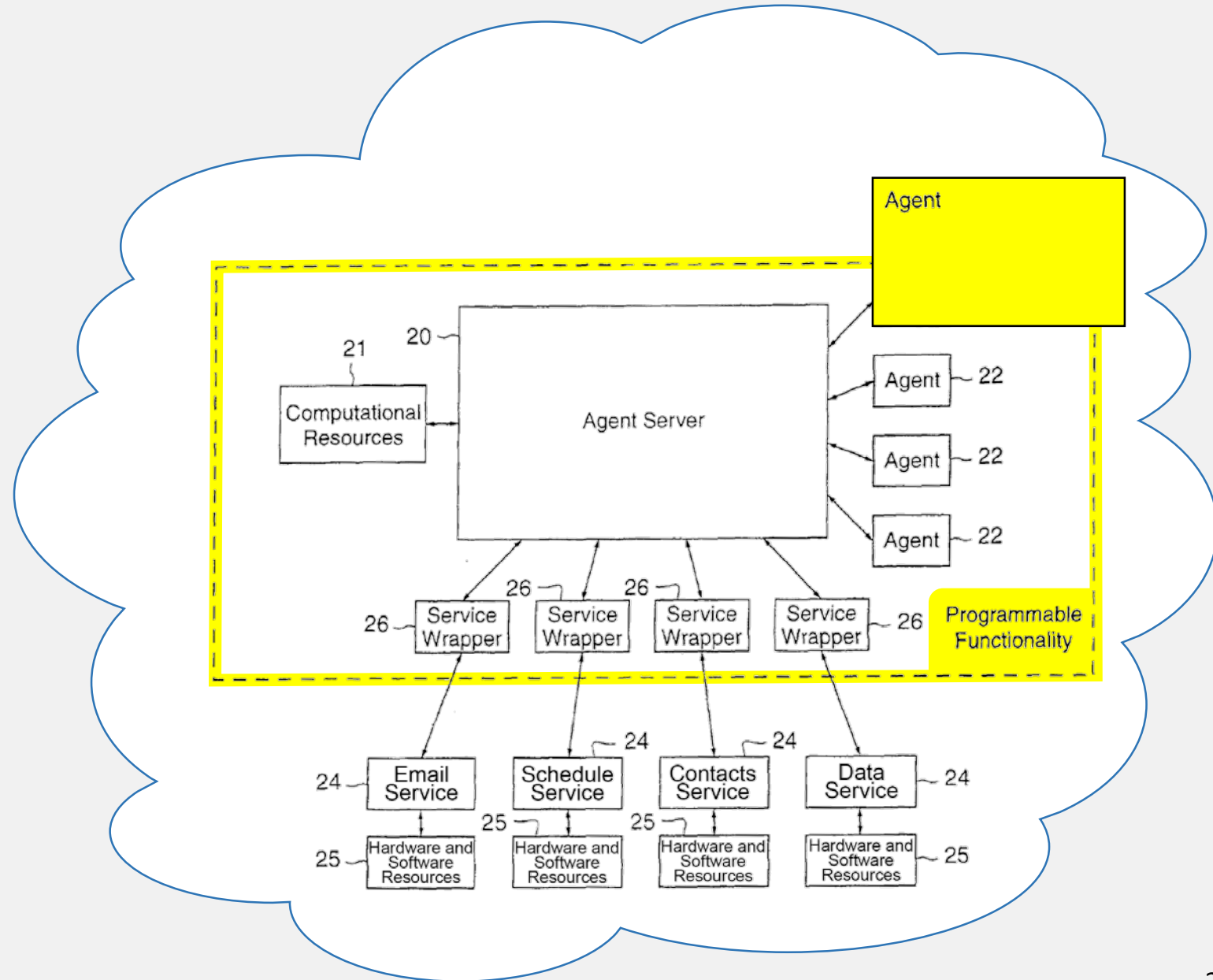
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[www.GeneralMagic.com/JohnSmith/SetUp](http://www.GeneralMagic.com/JohnSmith/SetUp)

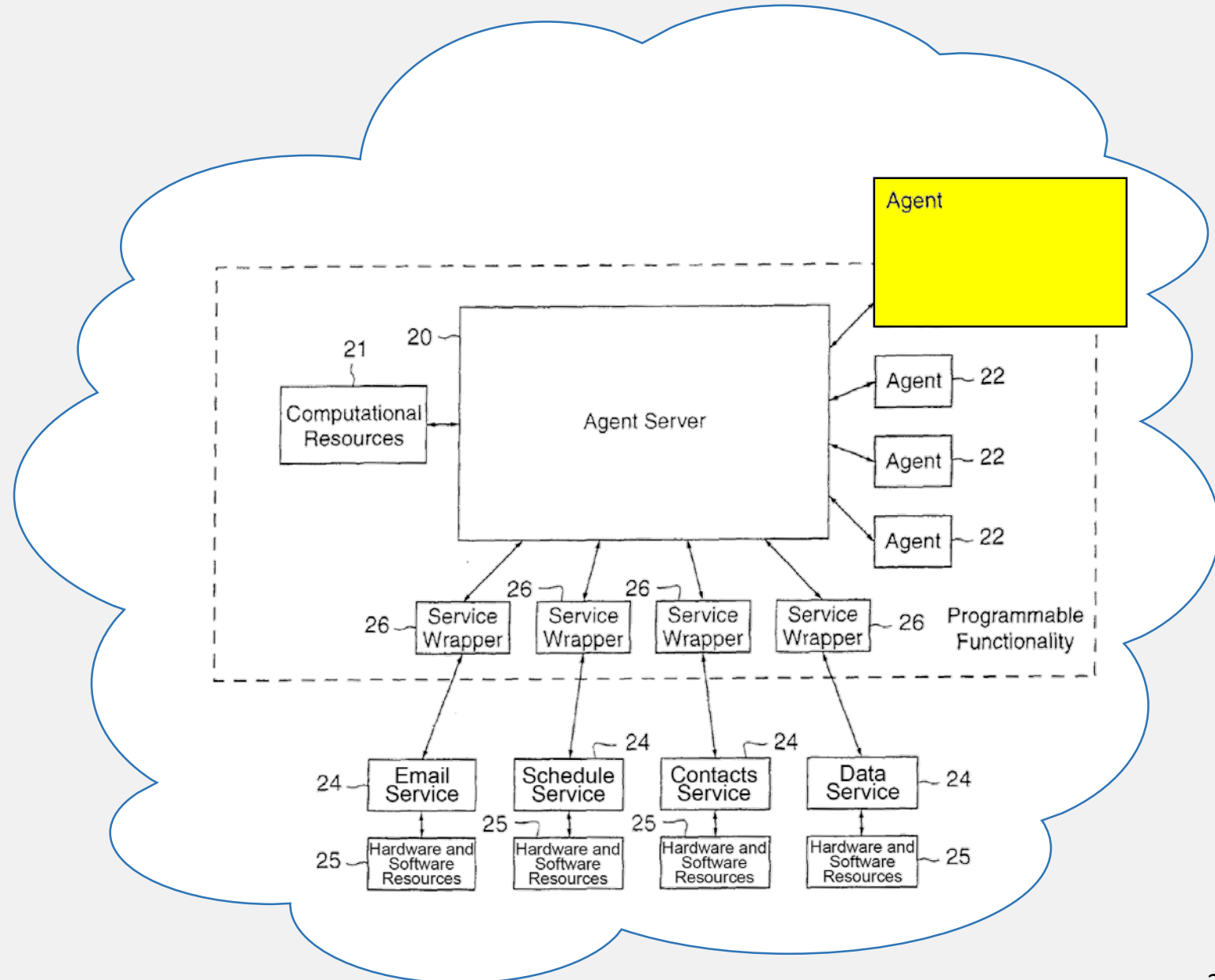
Agent Area



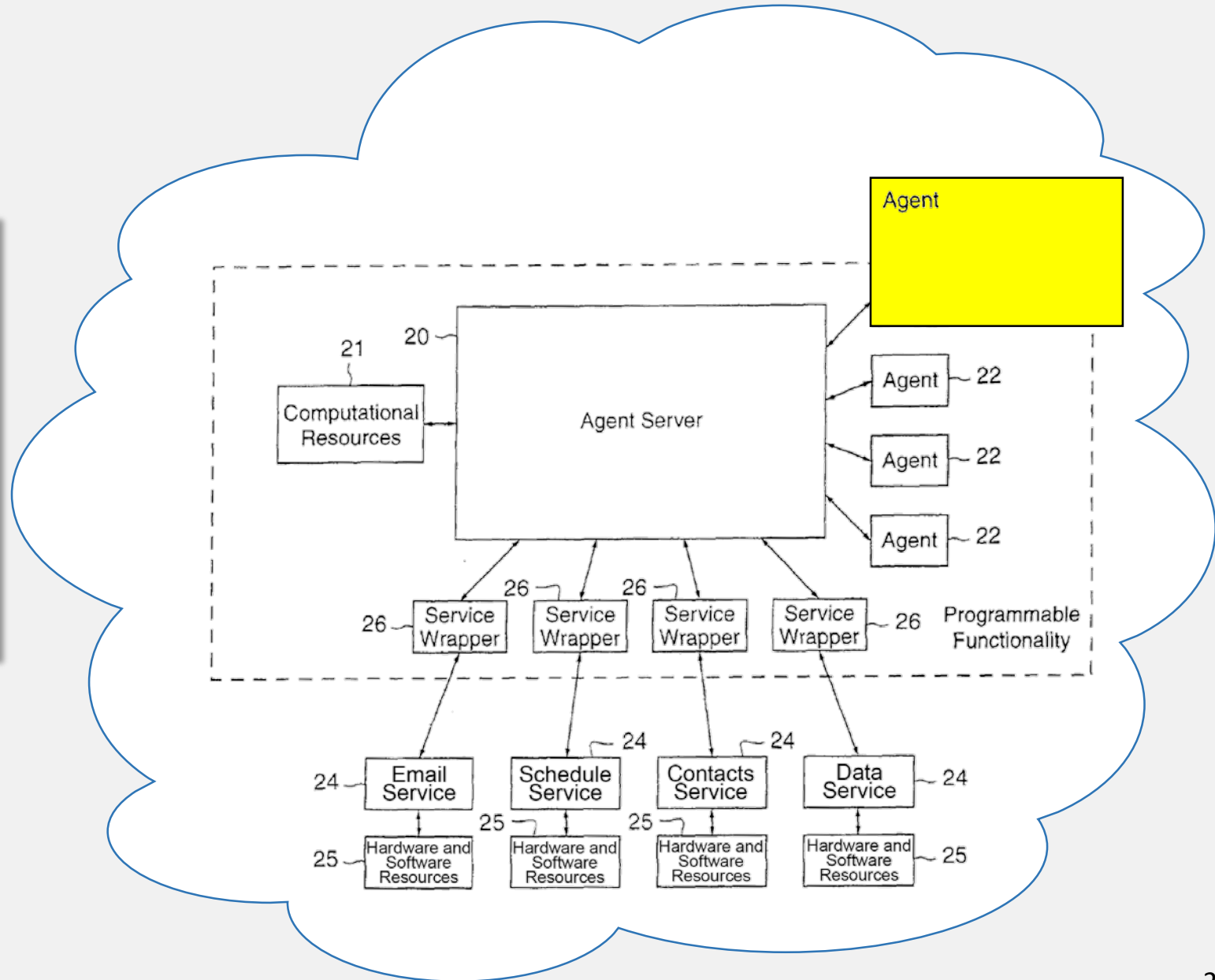
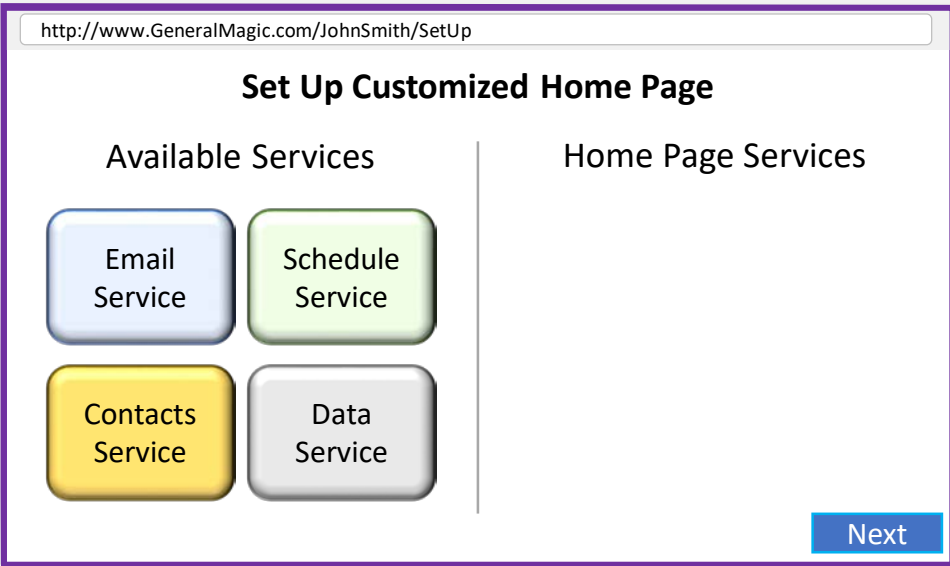
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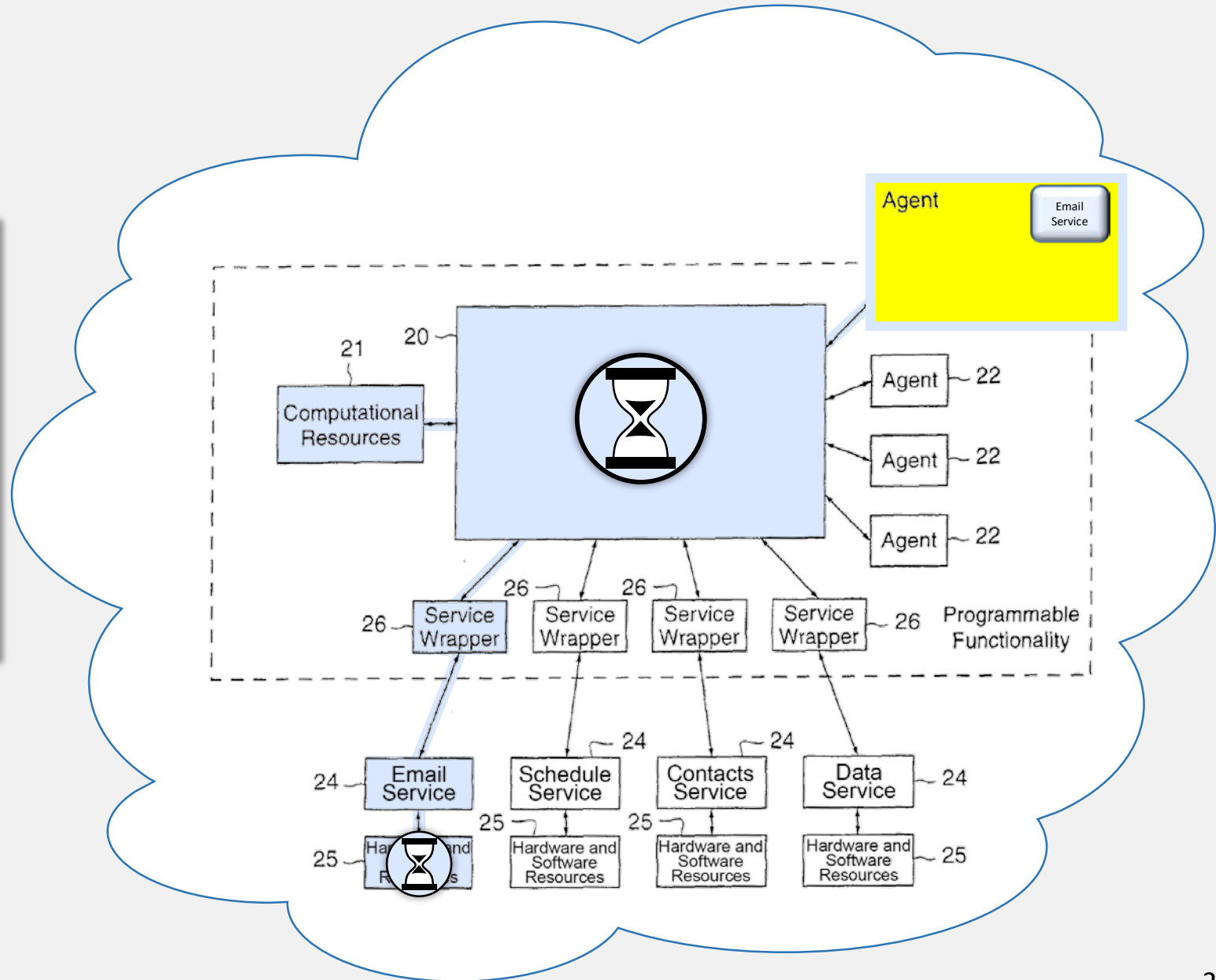
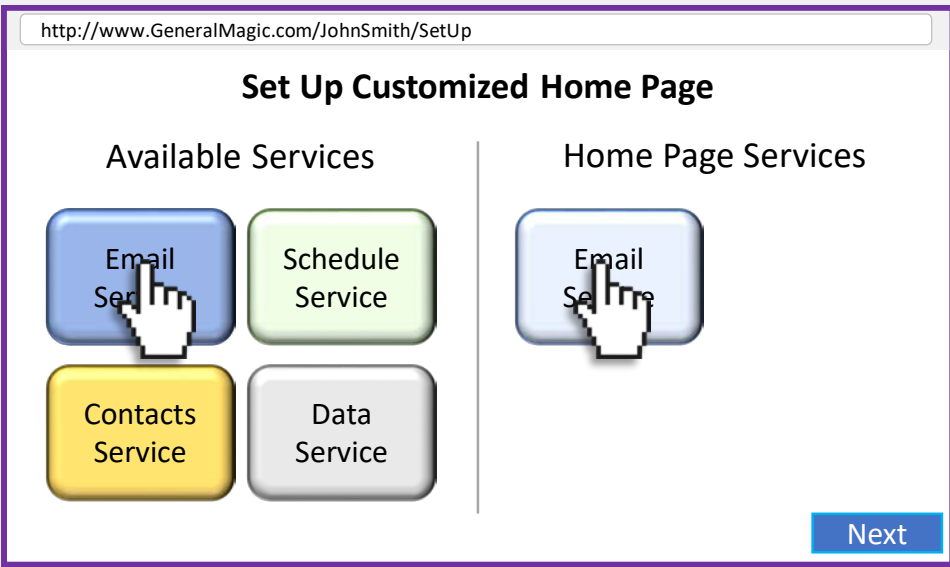
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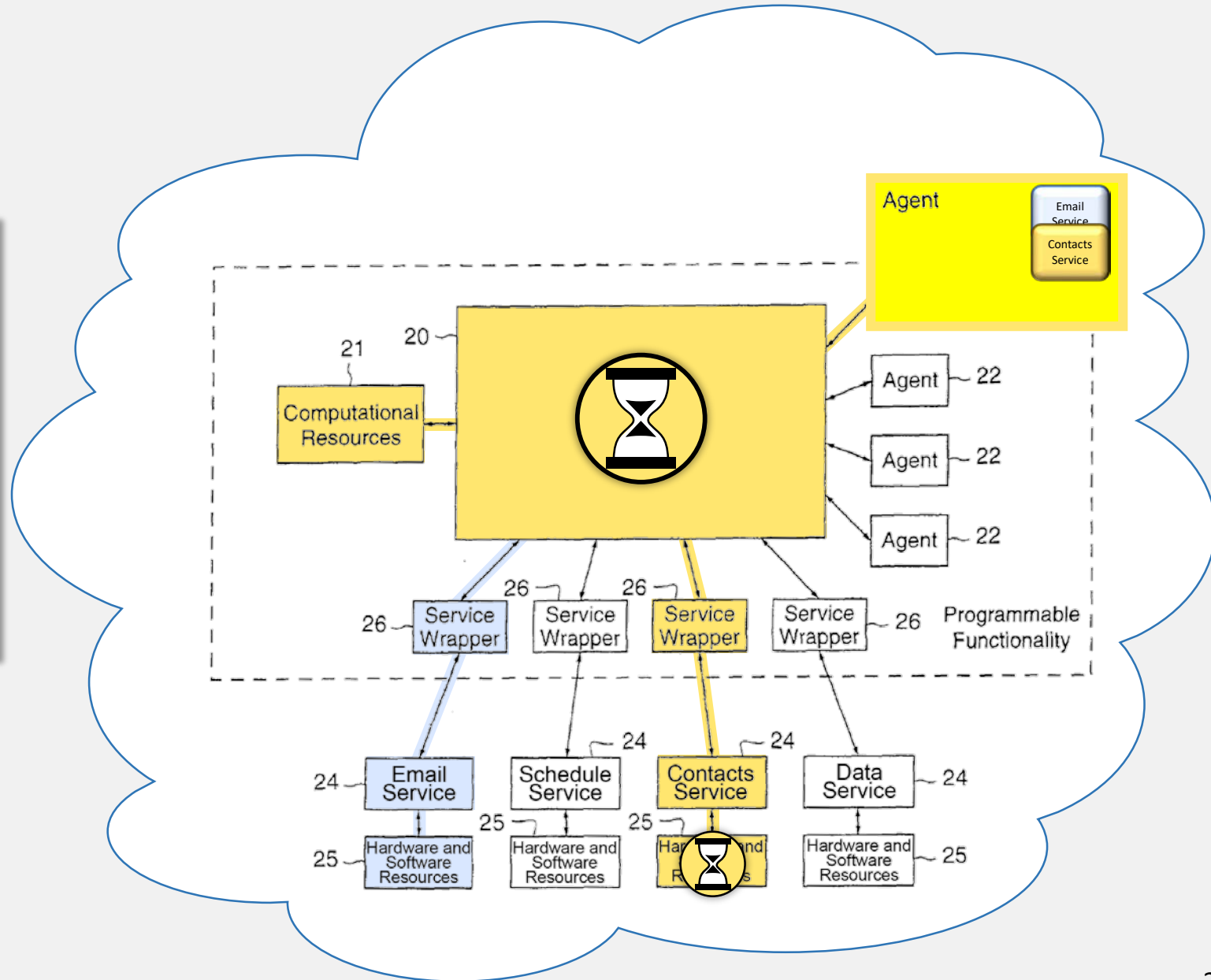
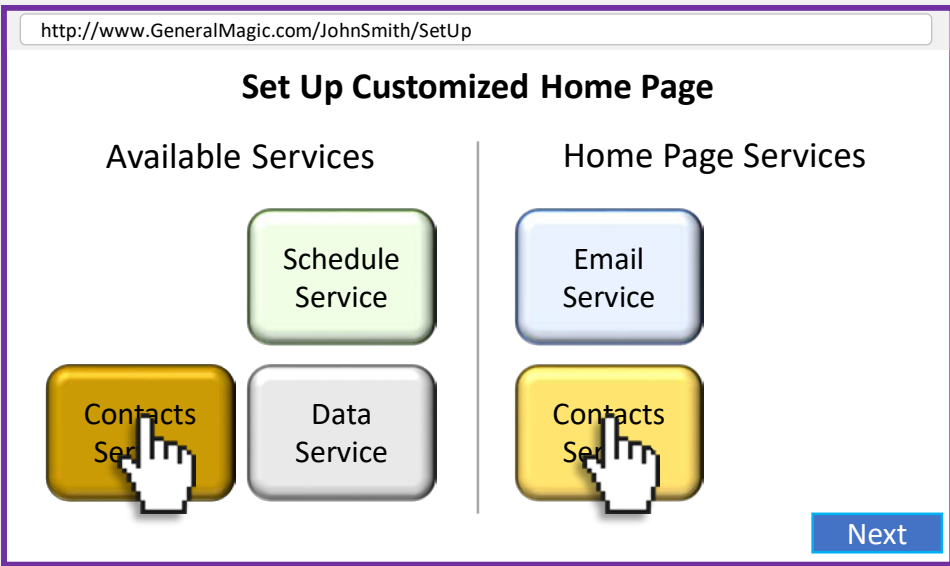


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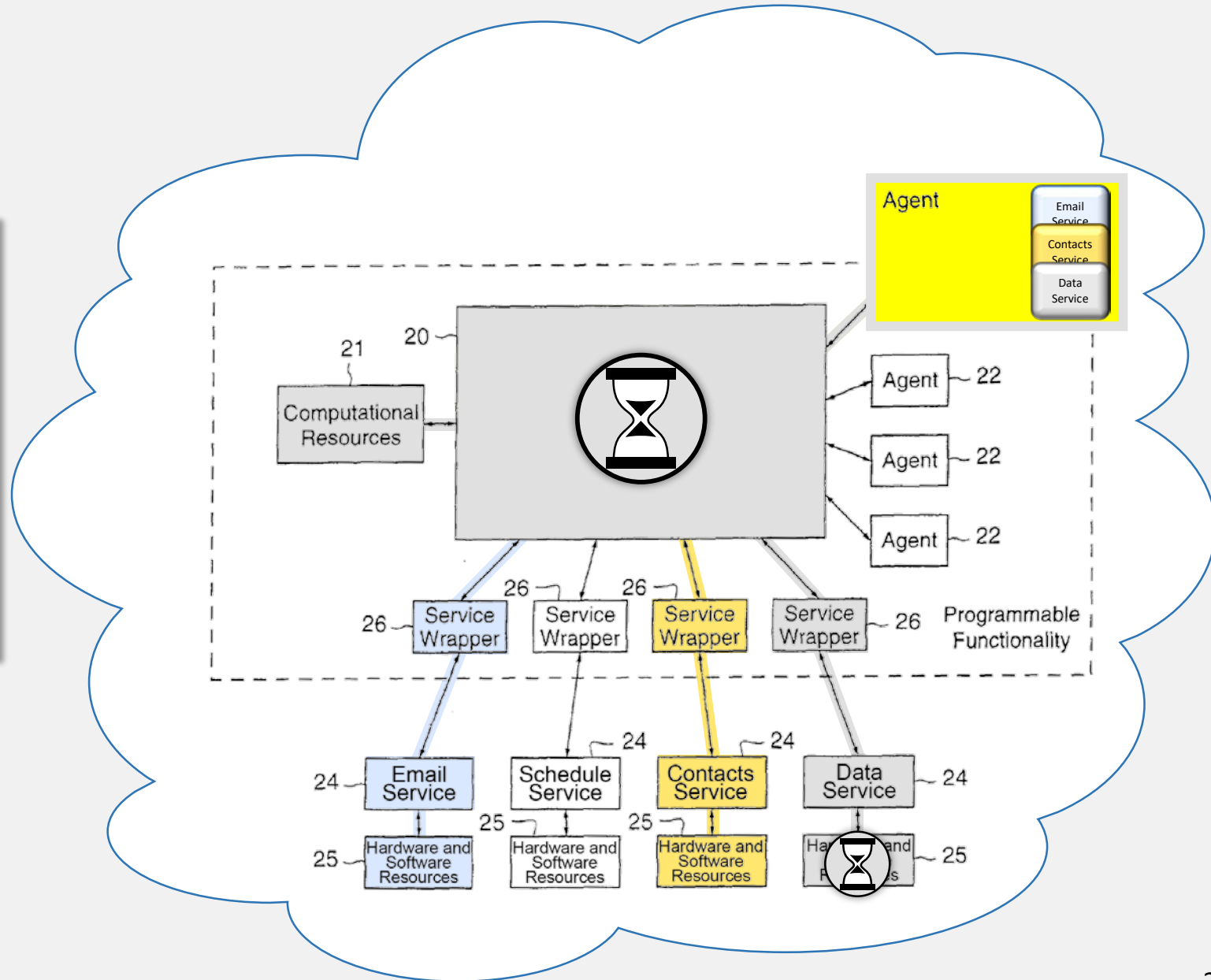
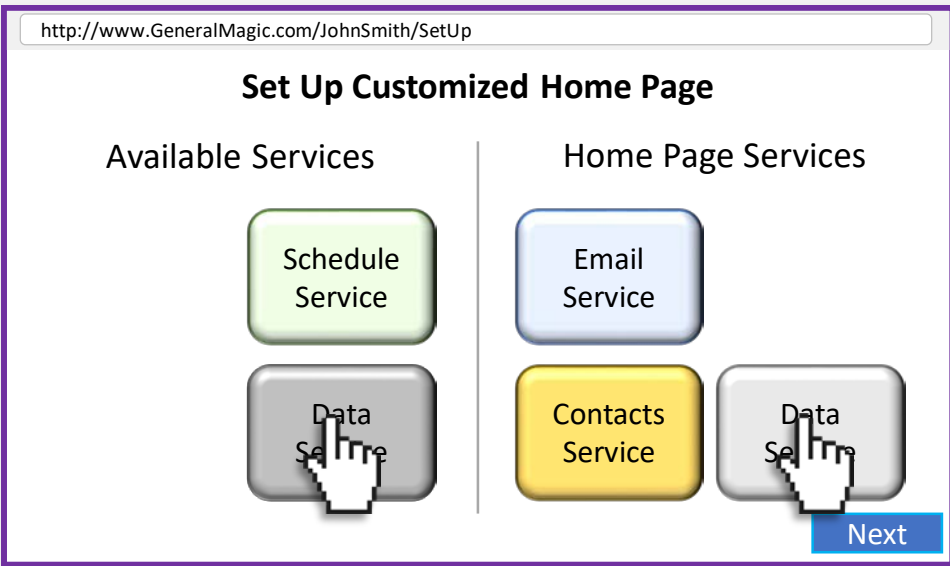




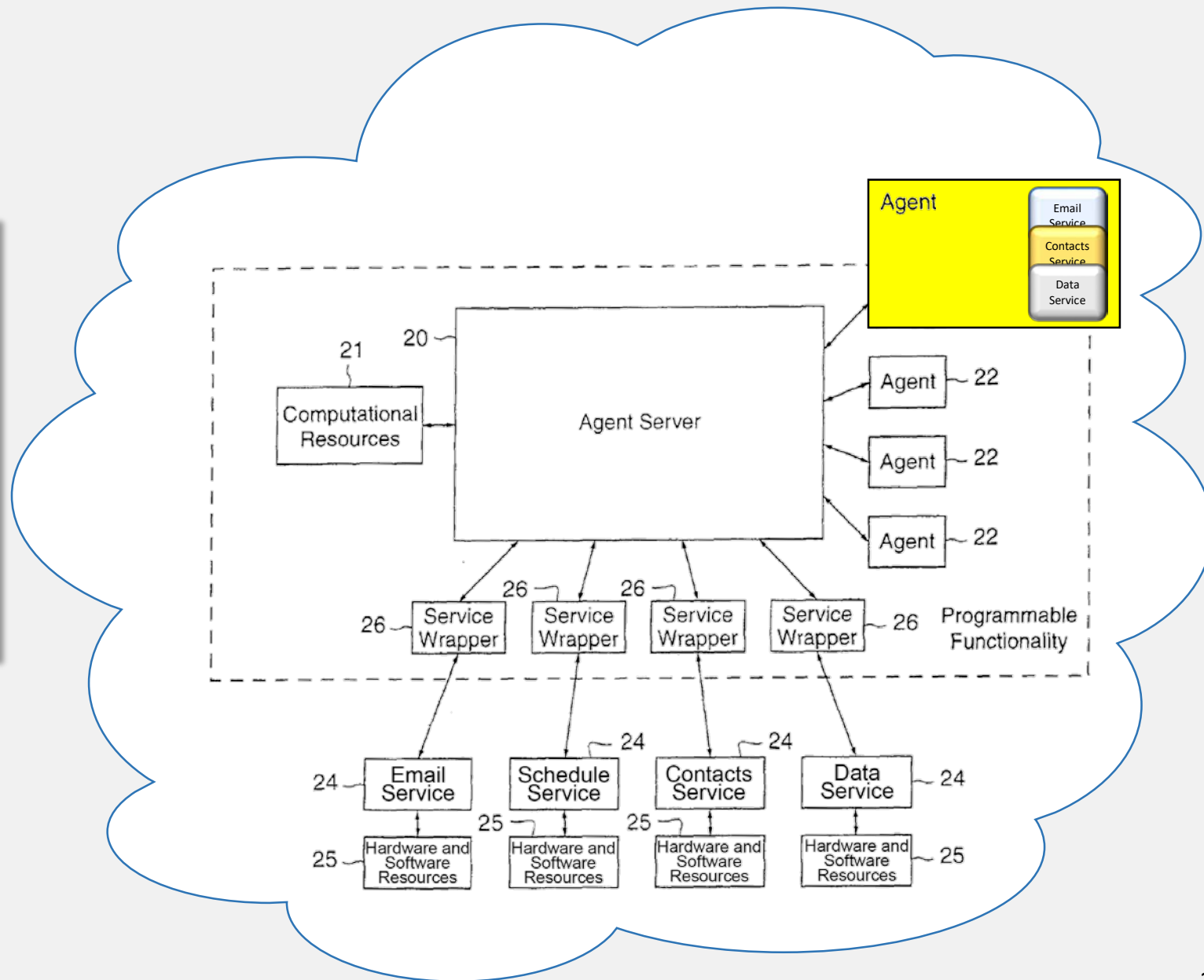
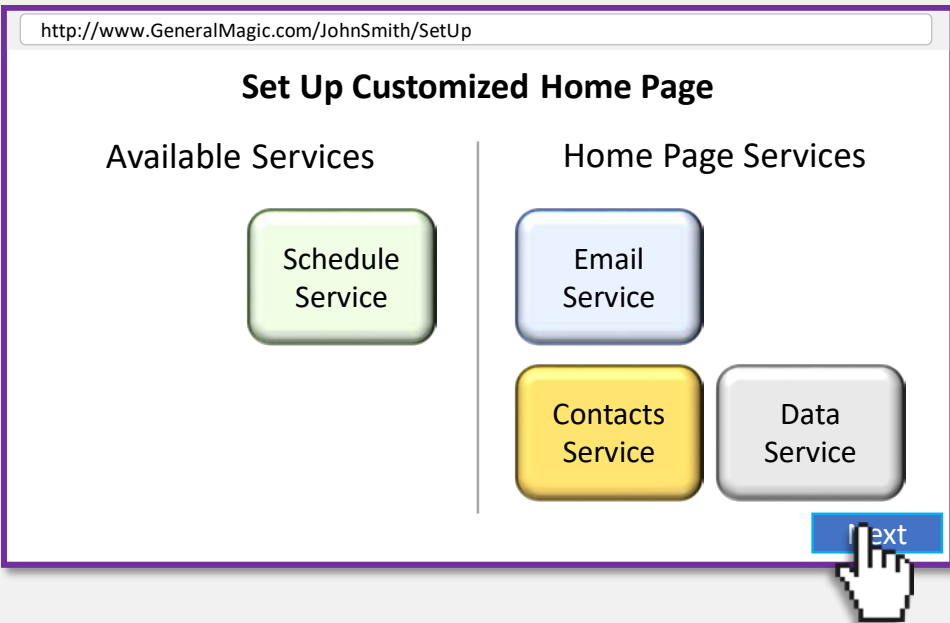
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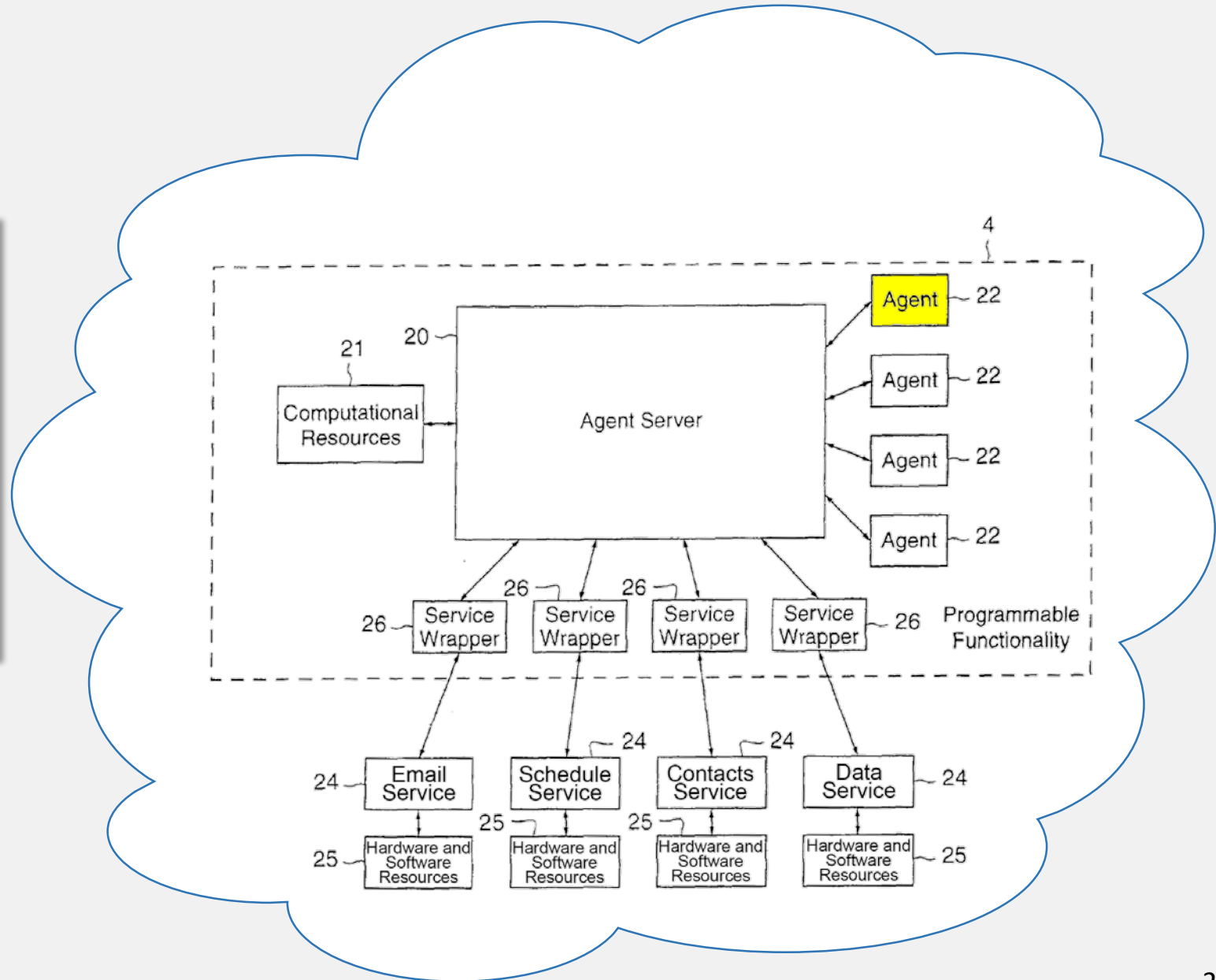
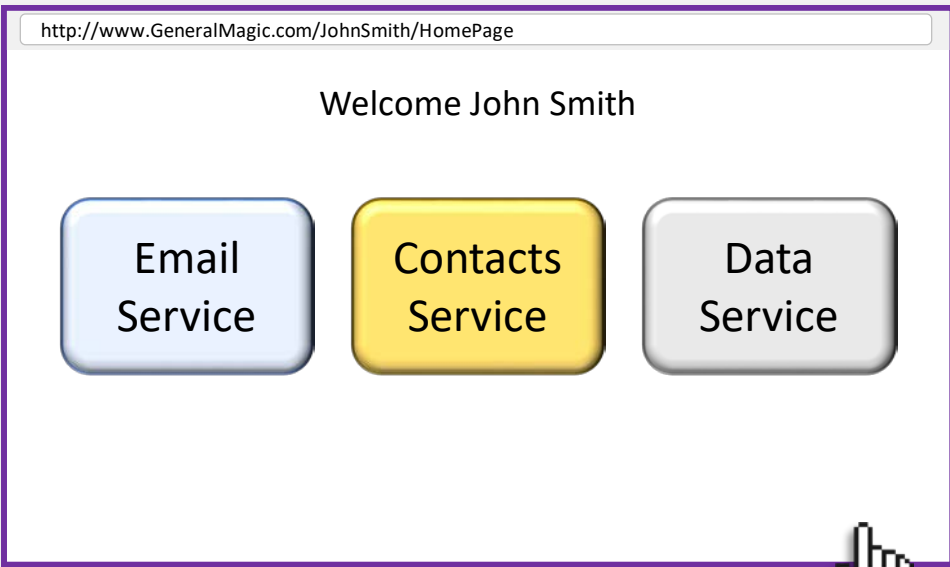
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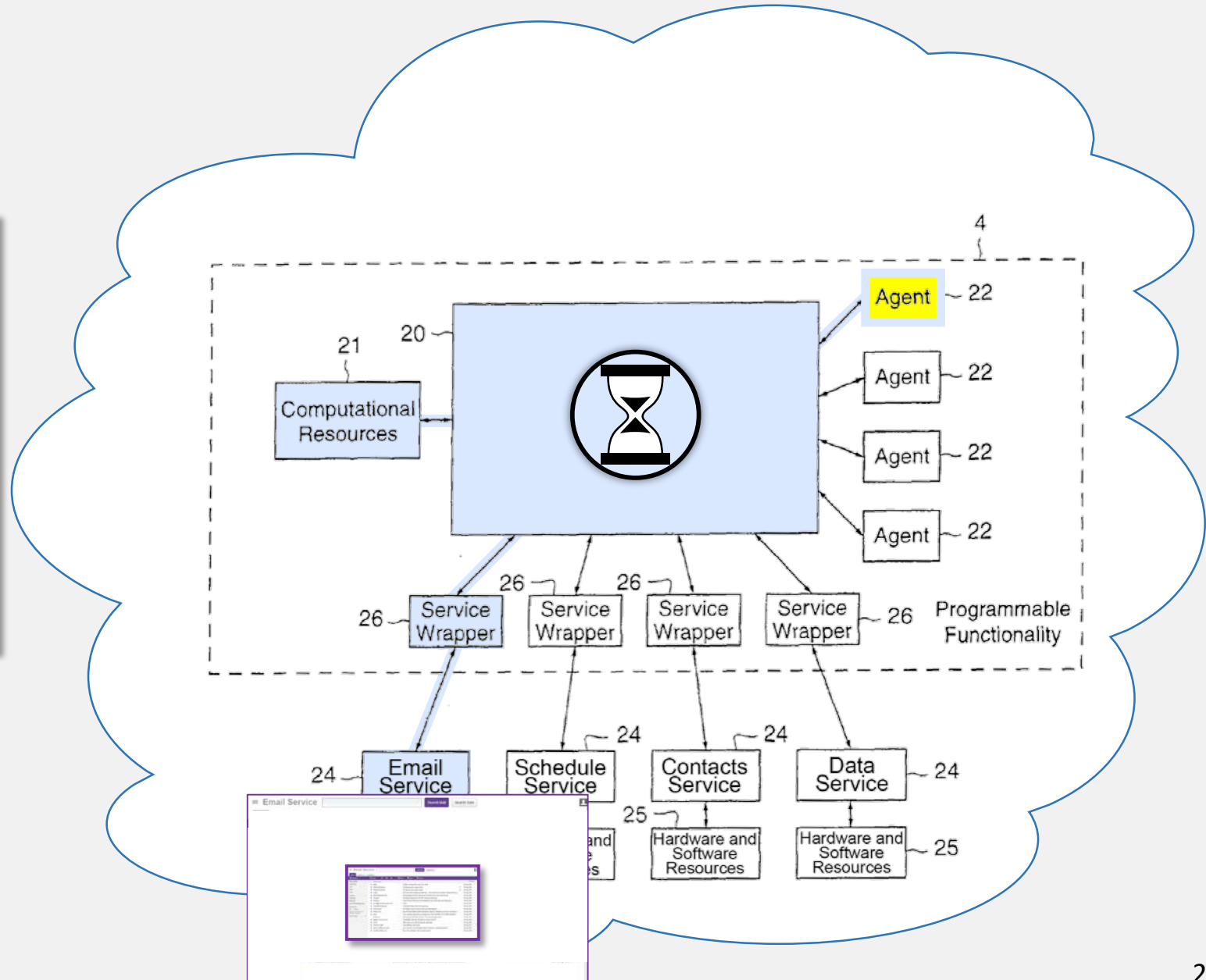
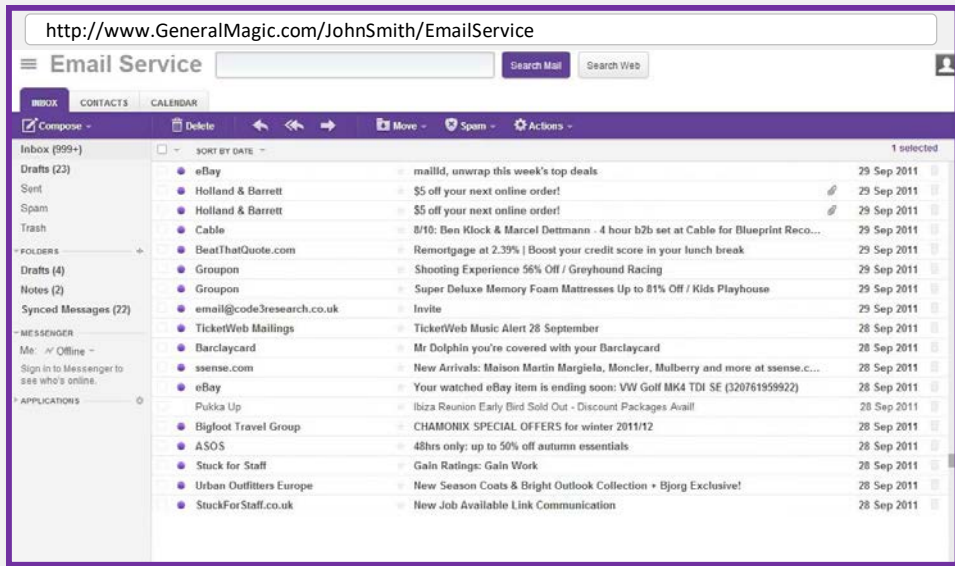
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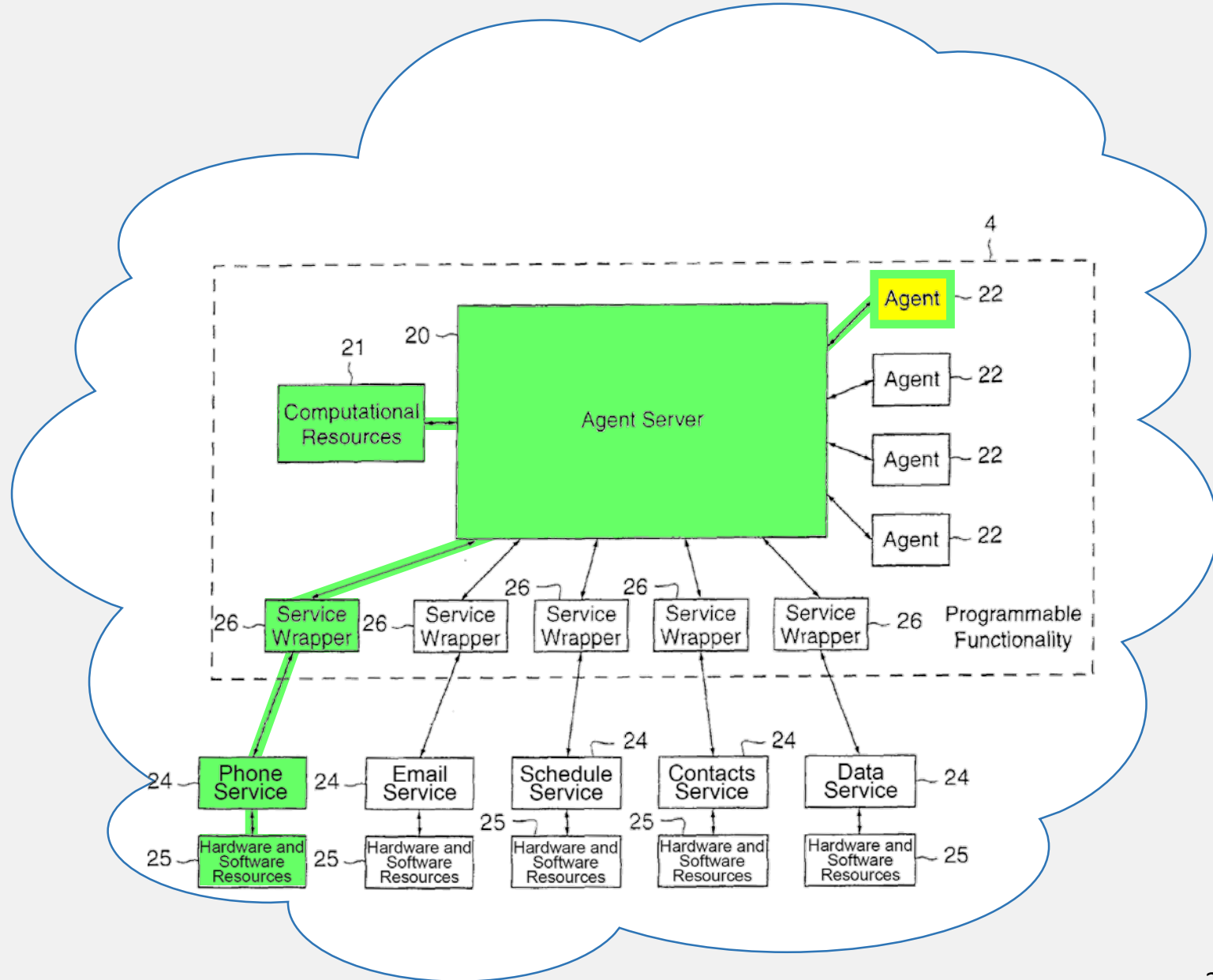
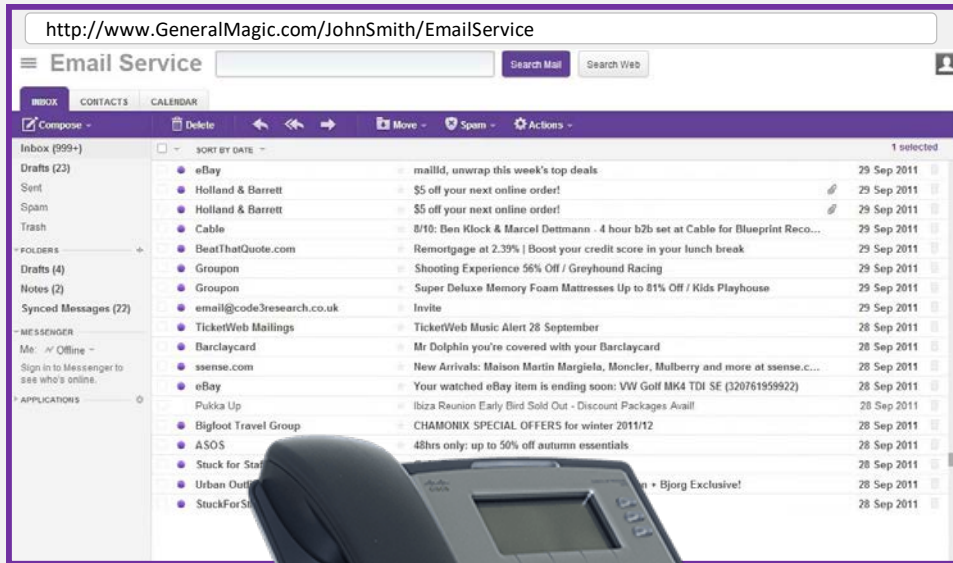
# The '752 Patent



# The '752 Patent



# The '752 Patent



# Summary

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## The '752 Patent Teaches:

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- A** The ability to customize network systems and services using agents
- B** Utilize a browser-based mechanism to deliver applications and services from the cloud to remote users
- C** This increases the reliability, availability and extensibility of network applications and systems