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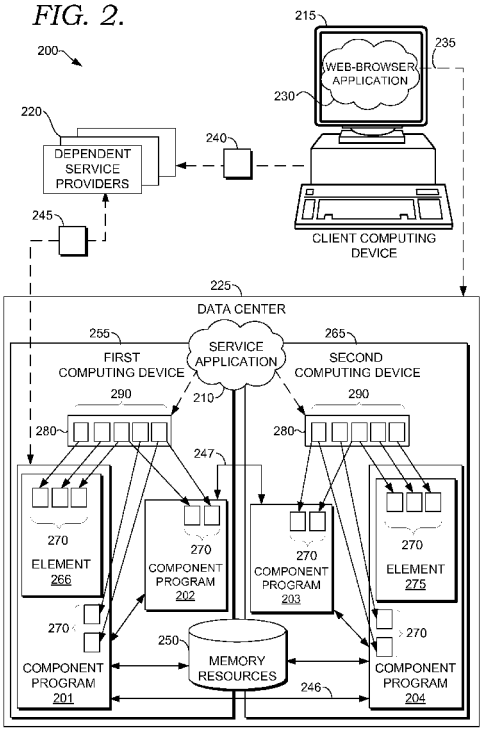
Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

[Continued on next page]

(54) **Title**: MANAGING COMPONENT PROGRAMS WITHIN A SERVICE APPLICATION

FIG. 2.



(57) **Abstract**: Methods, systems, and computer-storage media having computer- executable instructions embodied thereon that, when executed, perform methods in accordance with embodiments hereof, for managing component programs within a service application according to a service model. Initially, configuration settings, which can be administered to the component programs, are extracted from the service model. An instantiation process is initiated to manage the service application in accordance with the changes to a level of load on the service application and/or to specifications within the service model. The instantiation process includes deploying, or identifying as available, the component programs within the data center, and automatically propagating formalized values derived from the configuration settings throughout the deployed component programs. These derived formalized values are installed into the component programs, thereby providing for functionality of the service application consistent with the service model.

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