

Ex. 1015

US Patent No. 6,115,040 (“Bladow”)



- [54] **GRAPHICAL USER INTERFACE FOR WEB ENABLED APPLICATIONS**
- [75] Inventors: **Chad R. Bladow**, Monument; **Carol Y. Devine**, Colorado Springs, both of Colo.; **Edward Schwarz**, New York; **Arieh Shamash**, Great Neck, both of N.Y.; **Richard W. Shoulberg**, Manitou Springs; **Jeffrey A. Wood**, Colorado Springs, both of Colo.
- [73] Assignee: **MCI Communications Corporation**, Washington, D.C.

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Related U.S. Application Data

- [60] Provisional application No. 60/060,655, Sep. 26, 1997.
- [51] Int. Cl.⁷ **G06F 3/00**; G06F 15/16
- [52] U.S. Cl. **345/335**; 345/329; 345/969; 345/334; 345/356; 709/303; 709/203; 709/217
- [58] Field of Search 345/329, 331, 345/335, 339, 333, 334, 346, 969, 356, 357; 707/501, 513; 709/303, 302, 203, 223, 224, 217, 229, 227

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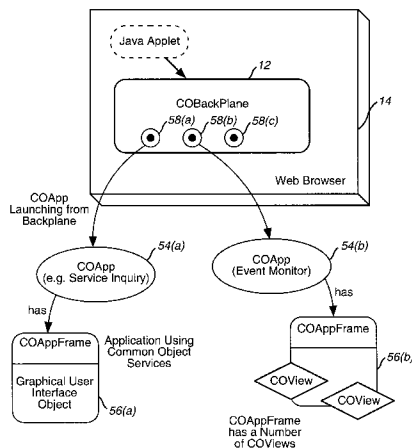
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Primary Examiner—Raymond J. Bayerl

[57] ABSTRACT

An integrated system of user interfaces for communicating with remote services. A backplane architecture controls and manages the user interfaces by instantiating, launching, overseeing and closing the user interfaces associated with a plurality of applications residing in a remote server. Each application communicates with one another and with the backplane via messaging interfaces. The backplane provides a single uniform user authentication procedure during logon for the user interfaces and also provides session management for a duration of a user session. Session information is maintained by exchanging a session key or keys for identifying the session with remote servers.

29 Claims, 12 Drawing Sheets



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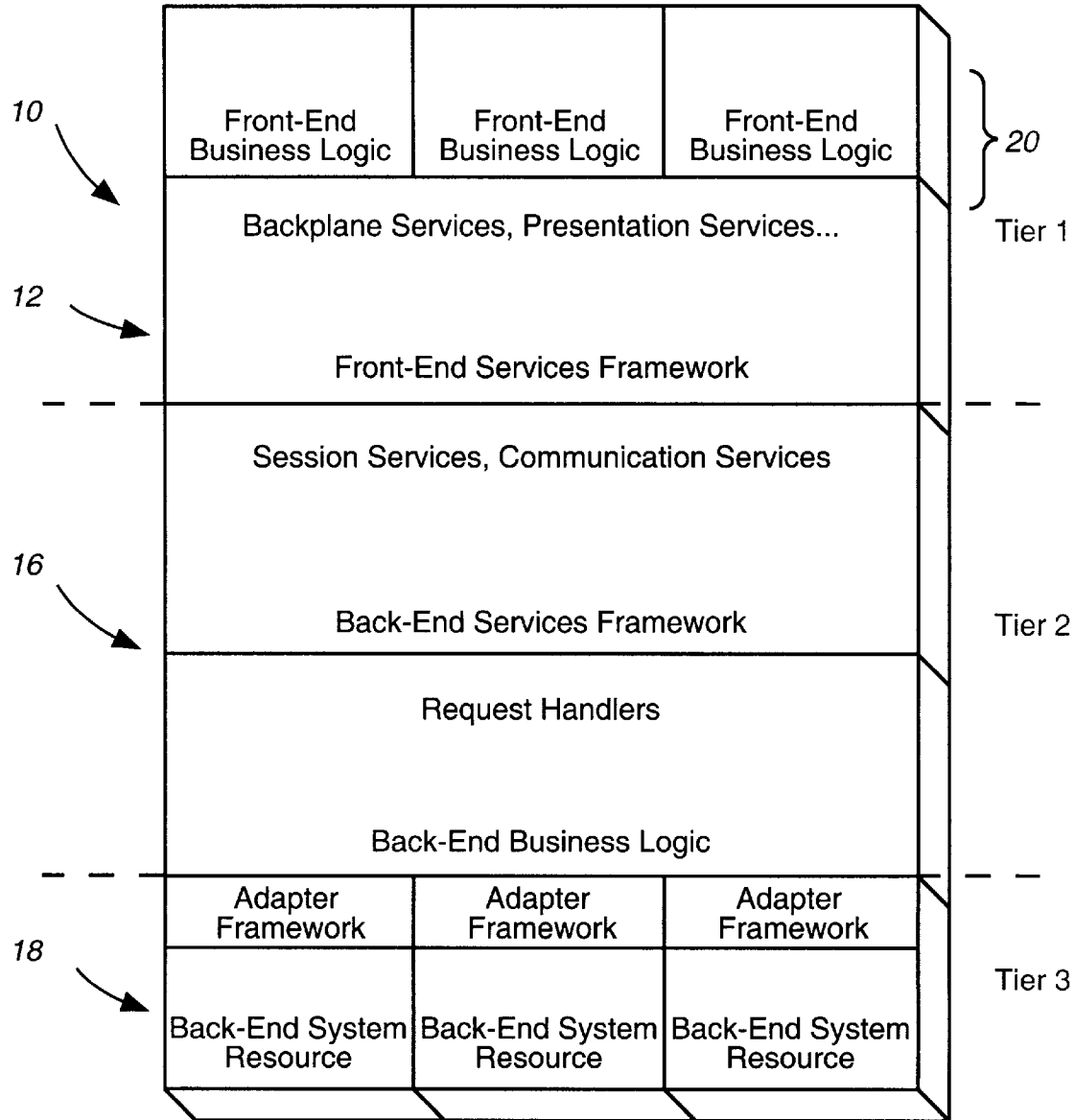


FIG. 1

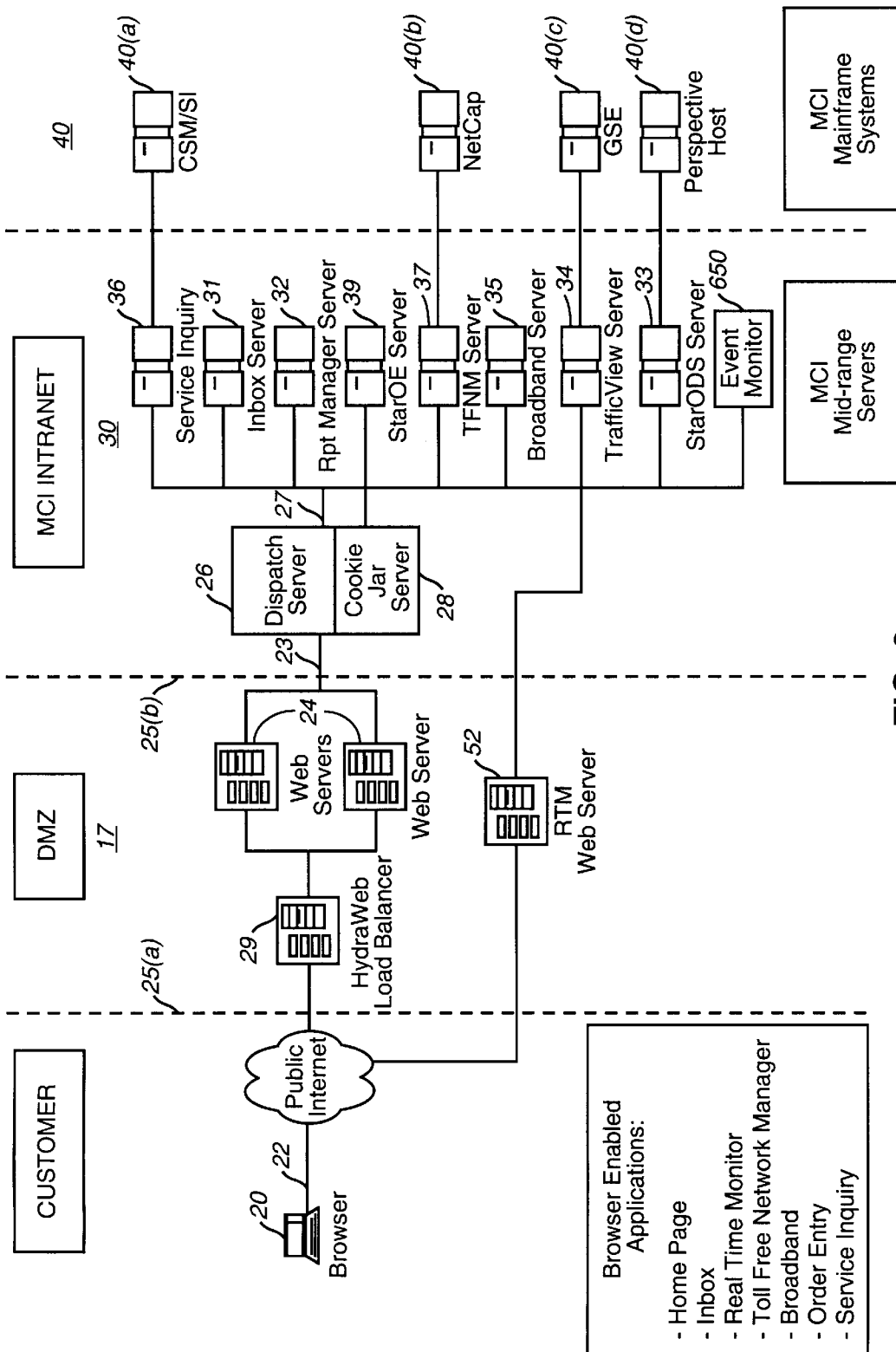


FIG. 2

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