162162

COMPONENT-BASED EMBEDDED SYSTEM AND METHOD THEREFOR

ABSTRACT

A component-based embedded system (200) is disclosed which provides a services model comprising service consumer (205) components that use services; service provider (215) components that provide the required services, and a service manager (210) which performs the role of a central service authority that regulates the provision of the services between the service consumer (205) components and service provider (215) components. An extensible service interface (ESI) enables communication between the service consumers (205) and the service manager (210), and between the service providers (215) and the service manager (210). The ESI thus provides an abstraction layer between the service consumers (205) and the service provider (215), and the service manager (210), where the service consumers (205) and service providers (215) do not need to communicate directly with each other. Instead, the service consumers (205) and service providers (215) need only communicate with the service manager (210) via the common ESI.

FIG. 2 accompanies this abstract.

G00002