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[54] **SYSTEM AND METHOD FOR A DISTRIBUTED DEBUGGER FOR DEBUGGING DISTRIBUTED APPLICATION PROGRAMS**

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395/183.14; 364/269.91; 364/275.5

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267.91

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[57] ABSTRACT

A system and method for providing a distributed debugger system for a distributed target computer application are disclosed wherein the programmer/developer of the application can be at one host machine and wherein the application being developed makes use of objects and object implementations which may be located on a different host machine which is unknown to the programmer/developer. The system and method provides solutions to problems which are encountered in trying to debug a new application which is associated with the use of objects in a widely distributed, object oriented, client-server system. In a distributed object environment, requests and replies are made through an Object Request Broker (ORB) that is aware of the locations and status of objects. One architecture which is suitable for implementing such an ORB is provided by the Common Object Request Broker Architecture (CORBA) specification. The distributed debugger system disclosed herein is designed to function in a CORBA compliant distributed system.

21 Claims, 15 Drawing Sheets

