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# United States Patent [19]

**Graham**

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[54] **METHOD AND SYSTEM FOR DIAGRAMING COLLABORATIONS DEDUCED FROM SMALL TALKCODE USING A DESIGN VIRTUAL MACHINE**

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[ * ] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

This patent is subject to a terminal disclaimer.

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[51] **Int. Cl.**[6] ..... **G06F 9/00**

[52] **U.S. Cl.** ..... **395/704**; 395/702; 395/183.14; 707/102

[58] **Field of Search** ..... 395/701, 702, 395/703, 704, 183.13, 183.14, 708; 707/102, 103

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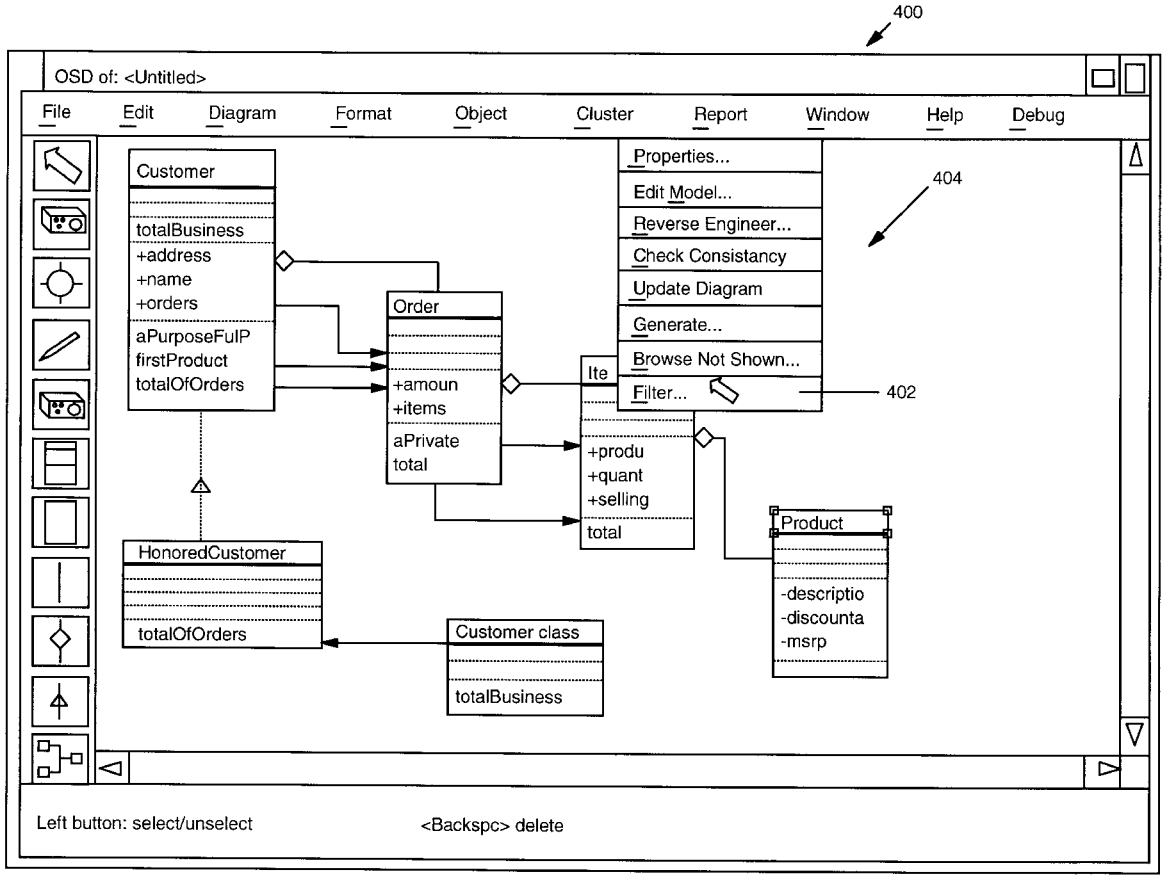
[57] **ABSTRACT**

A system uses a design virtual machine to interpret execution over one or more methods to deduce collaborations. When collaborations are deduced in this manner, the collaborations can be visualized and displayed using Object Structure Diagrams, Object Interaction Diagrams and CRC Reports.

**21 Claims, 29 Drawing Sheets**