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## (12) United States Patent

#### Loomans et al.

#### (54) METHOD, SYSTEM, AND PRODUCT FOR PERFORMING SUB-CONFIGURATION OF **ENTITIES**

- (75) Inventors: Jeffrey William Loomans, San Francisco, CA (US); Lisa Ann Laane, Cupertino, CA (US)
- (73) Assignee: Siebel Systems, Inc., San Mateo, CA (US)
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- (22)Filed: Nov. 18, 2002

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#### **Related U.S. Application Data**

- (63) Continuation of application No. 09/967,852, filed on Sep. 28, 2001, now abandoned.
- (51) Int. Cl. G06F 17/50 (2006.01)

G06F	9/44	(2006.01)

- (52) U.S. Cl. ..... 703/13; 717/116
- (58) Field of Classification Search ...... 703/13, 703/22; 717/121, 116 See application file for complete search history.

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Primary Examiner-Paul L Rodriguez

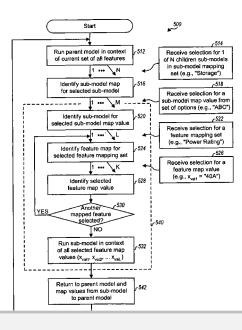
Assistant Examiner—Eunhee Kim

(74) Attorney, Agent, or Firm-Campbell Stephenson LLP

#### (57) ABSTRACT

Techniques to performing sub-configuration of components of an entity. In one method, the entity is configured via a parent model and each sub-configurable component is configured via one of a number of sub-models. Initially a selection to configure a particular sub-configurable component of the entity is received, and a sub-model for the selected component is identified. One or more values for one or more features of the selected component are received (e.g., from the parent model or via the sub-model) and form a configuration for the component, which is then validated based on the associated sub-model and the received values. Configuration of the entity is also validated based on the parent model and the validated configuration for the selected component. Feedbacks may be provided for each configuration of the parent model and sub-models. The data for the parent model and sub-models may be localized or globalized.

#### 29 Claims, 11 Drawing Sheets



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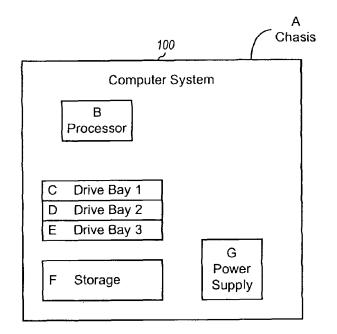


FIG. 1

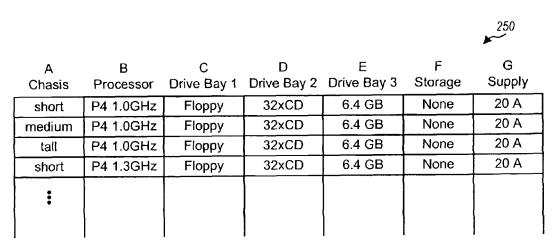
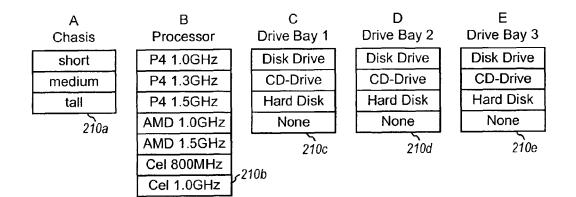
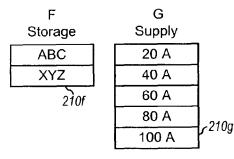


FIG. 2B





Δ

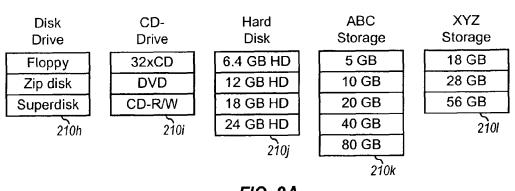


FIG. 2A

Α

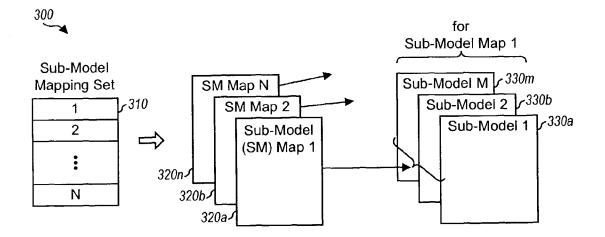


FIG. 3A

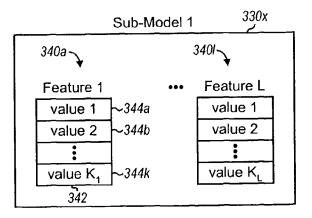


FIG. 3B

Δ

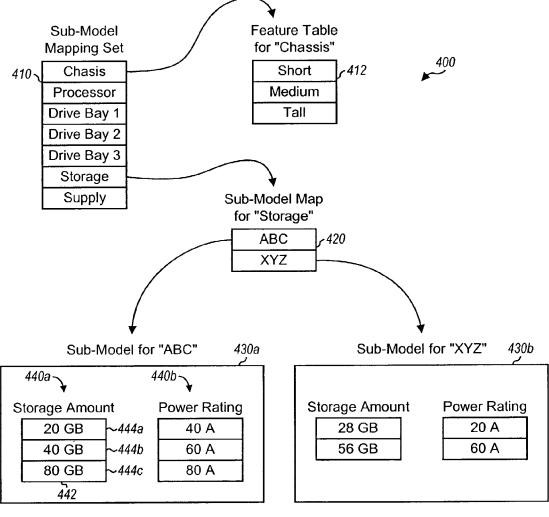


FIG. 4

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