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(12) **United States Patent**  
**Ledet et al.**

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(54) **MANAGING ITEMS IN A USER INTERFACE**

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(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

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(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 834 days.

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(51) **Int. Cl.**

**G06F 3/048** (2013.01)  
**G06F 3/0486** (2013.01)

(57) **ABSTRACT**

User interface changes related to moving items in a user interface are disclosed. An operation (e.g., a drag operation) can be initiated on selected items by moving a cursor or pointing device in the user interface, and an animation can be presented illustrating representations of the selected items moving from their respective original locations toward a current location of the cursor or pointing device and forming a cluster in proximity to the current location of the cursor or pointing device. As the cluster of items is moved over a container object in the user interface, the representations of the items can adopt the appearance style defined by that container object. The representations of the items can also be shown to depart from the cluster and move toward anticipated locations of the items in the container object as a preview of a drop operation into the container object.

(52) **U.S. Cl.**

CPC ..... **G06F 3/0486** (2013.01)

(58) **Field of Classification Search**

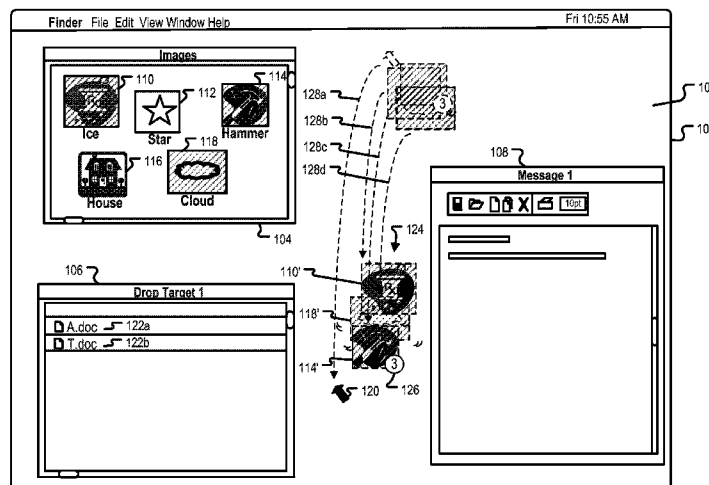
CPC ..... G06F 3/0486; G06F 3/048  
USPC ..... 715/769  
See application file for complete search history.

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**68 Claims, 25 Drawing Sheets**



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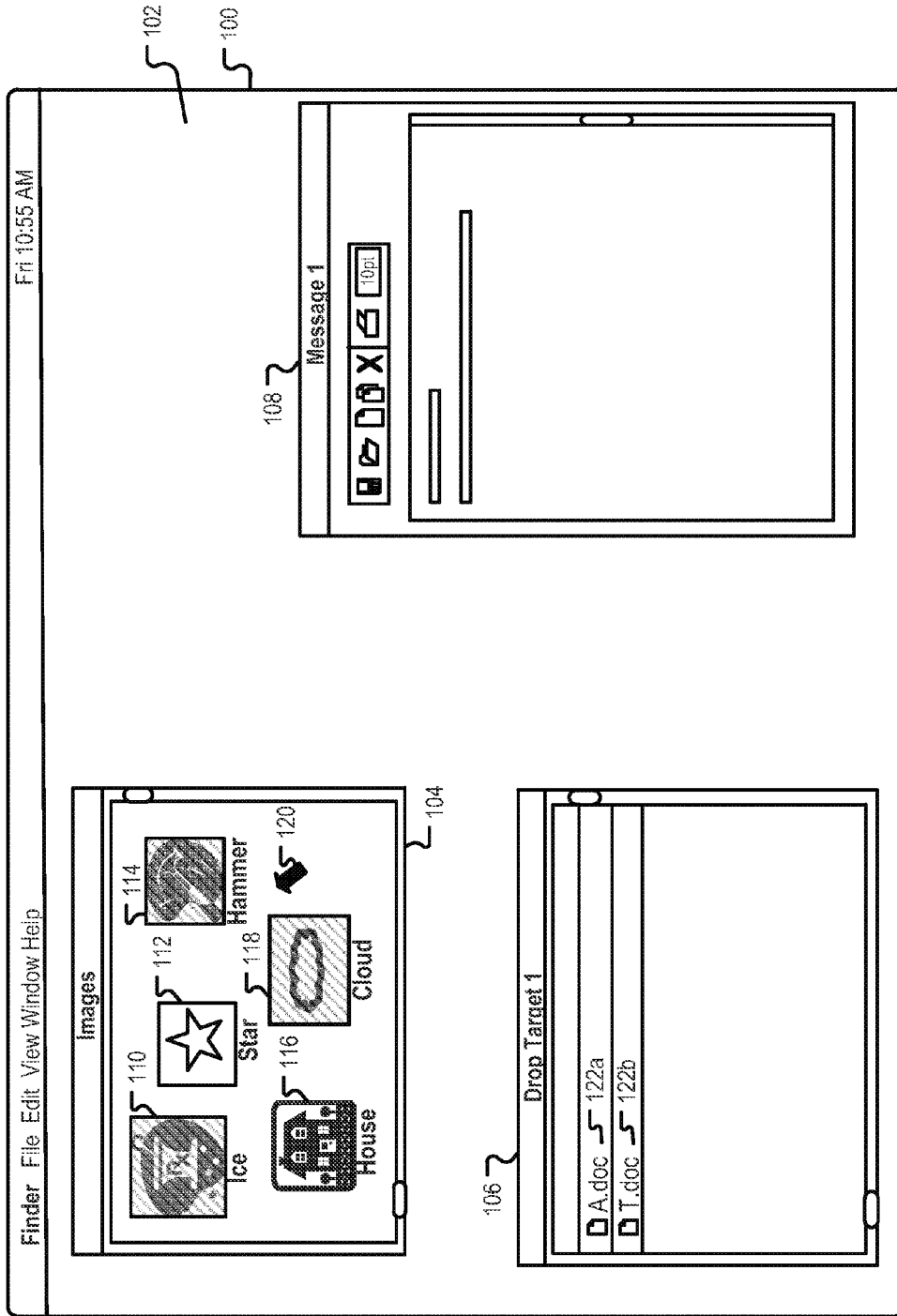


FIG. 1A

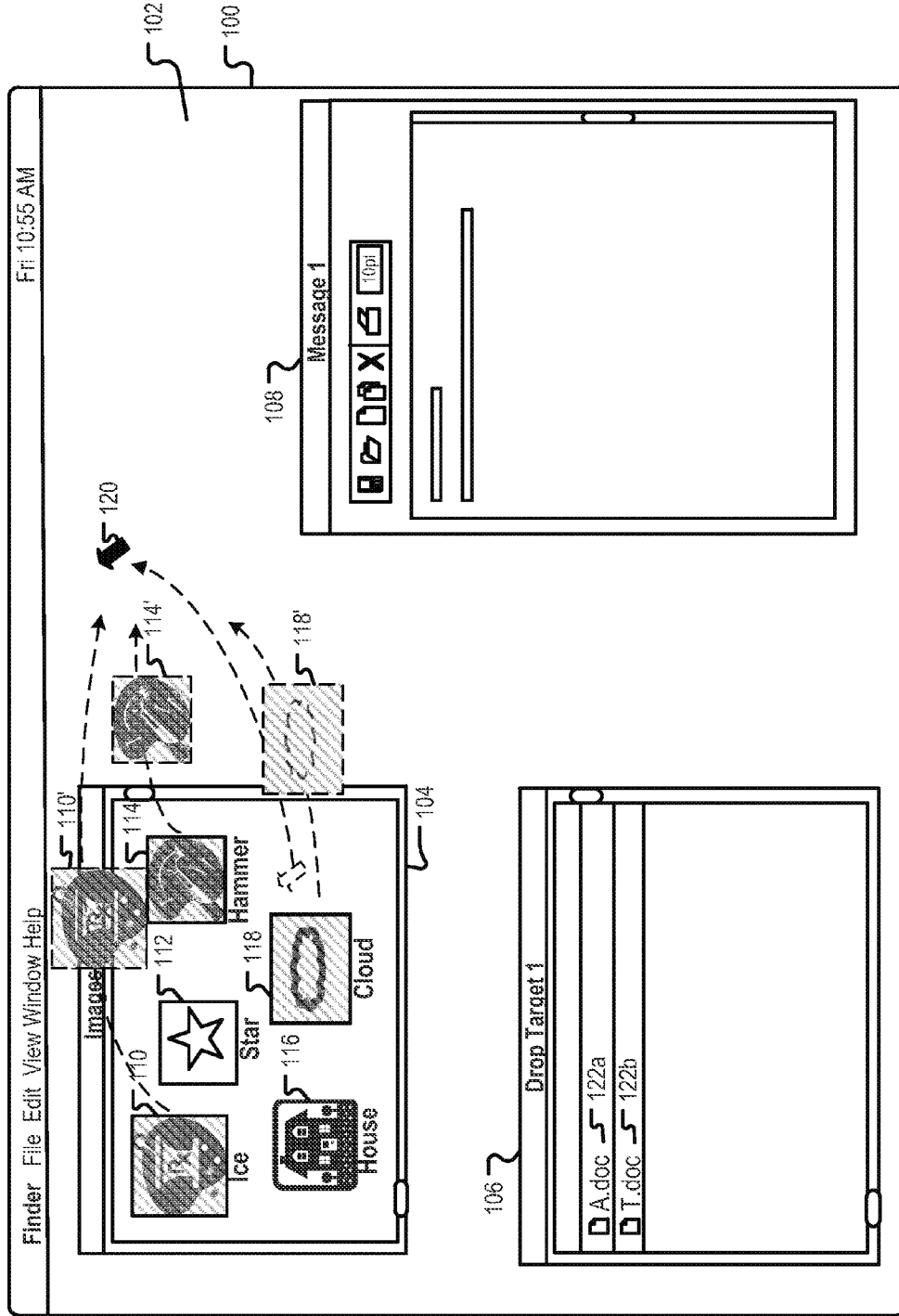


FIG. 1B

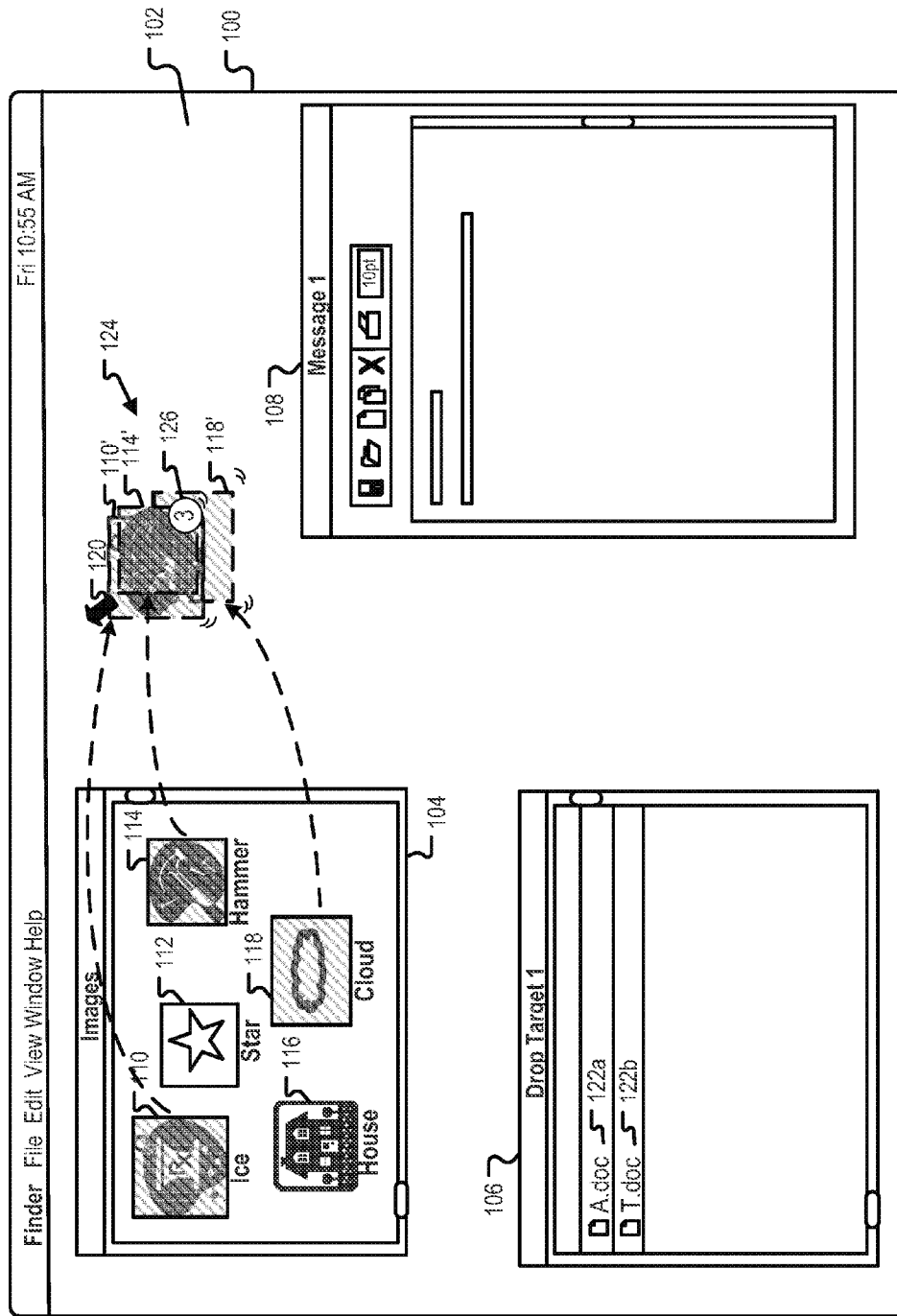


FIG. 1C

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