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Friedman et al.

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(54) **SYSTEMS AND METHODS FOR
PROCESSING ATTACHMENTS ASSOCIATED
WITH ELECTRONIC MESSAGES**

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(51) **Int. Cl.**
G06F 15/16 (2006.01)

(52) **U.S. Cl.** **709/206; 715/717**

(58) **Field of Classification Search** 709/201,
709/203, 206, 232, 245, 205; 707/1, 102,
707/104.1; 715/500, 717; 348/207.2; 379/67.1,
379/88.14; 713/168; 370/282
See application file for complete search history.

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(57) **ABSTRACT**

Attachments that are received through one or more message transport services are processed. An object identifier is received through an electronic message received through one of a plurality of message transport services. A thumbnail graphic of a portion of the contents of the object associated with the object identifier is generated and displayed in a display window.

20 Claims, 6 Drawing Sheets



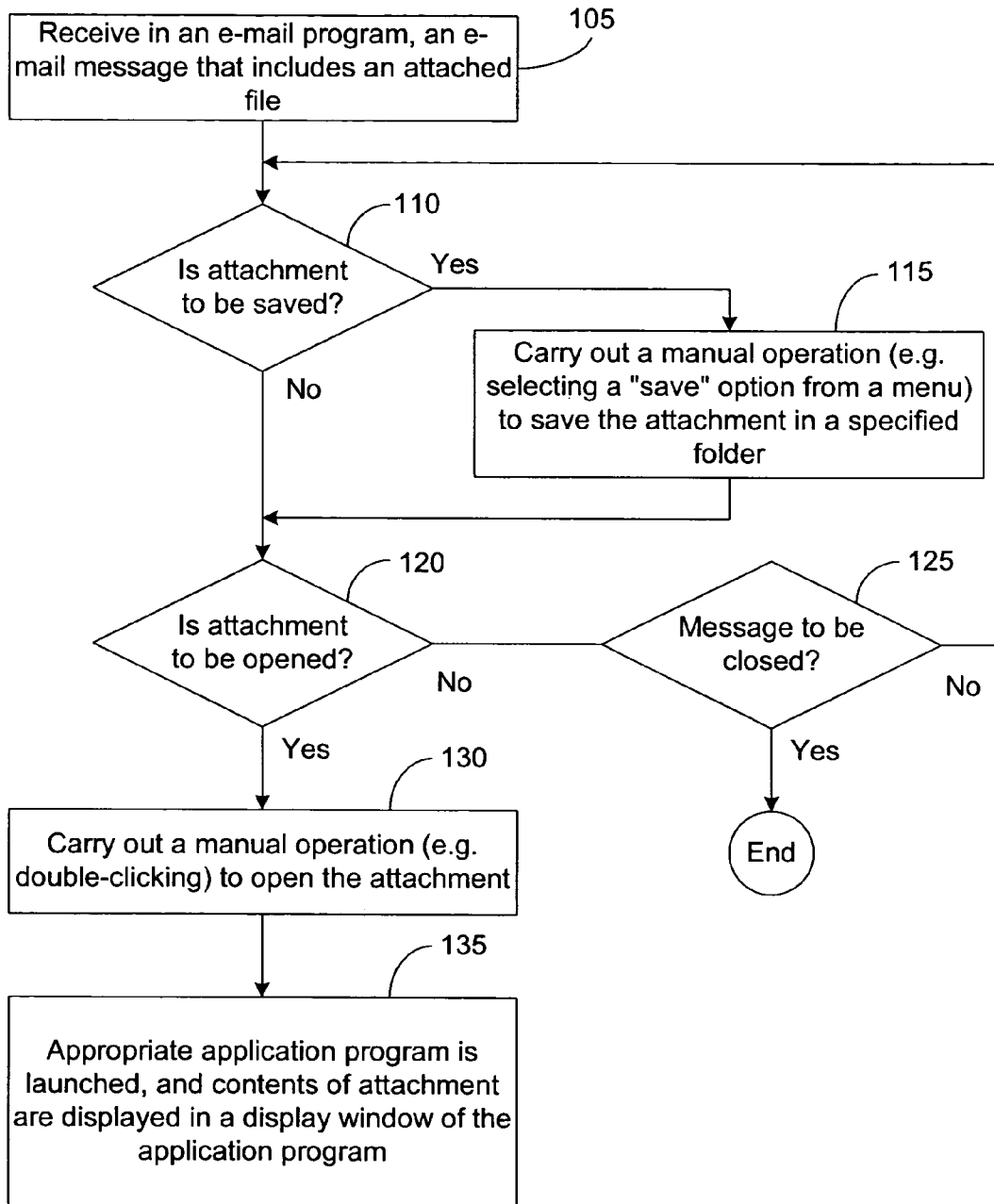


FIG. 1
(Prior Art)

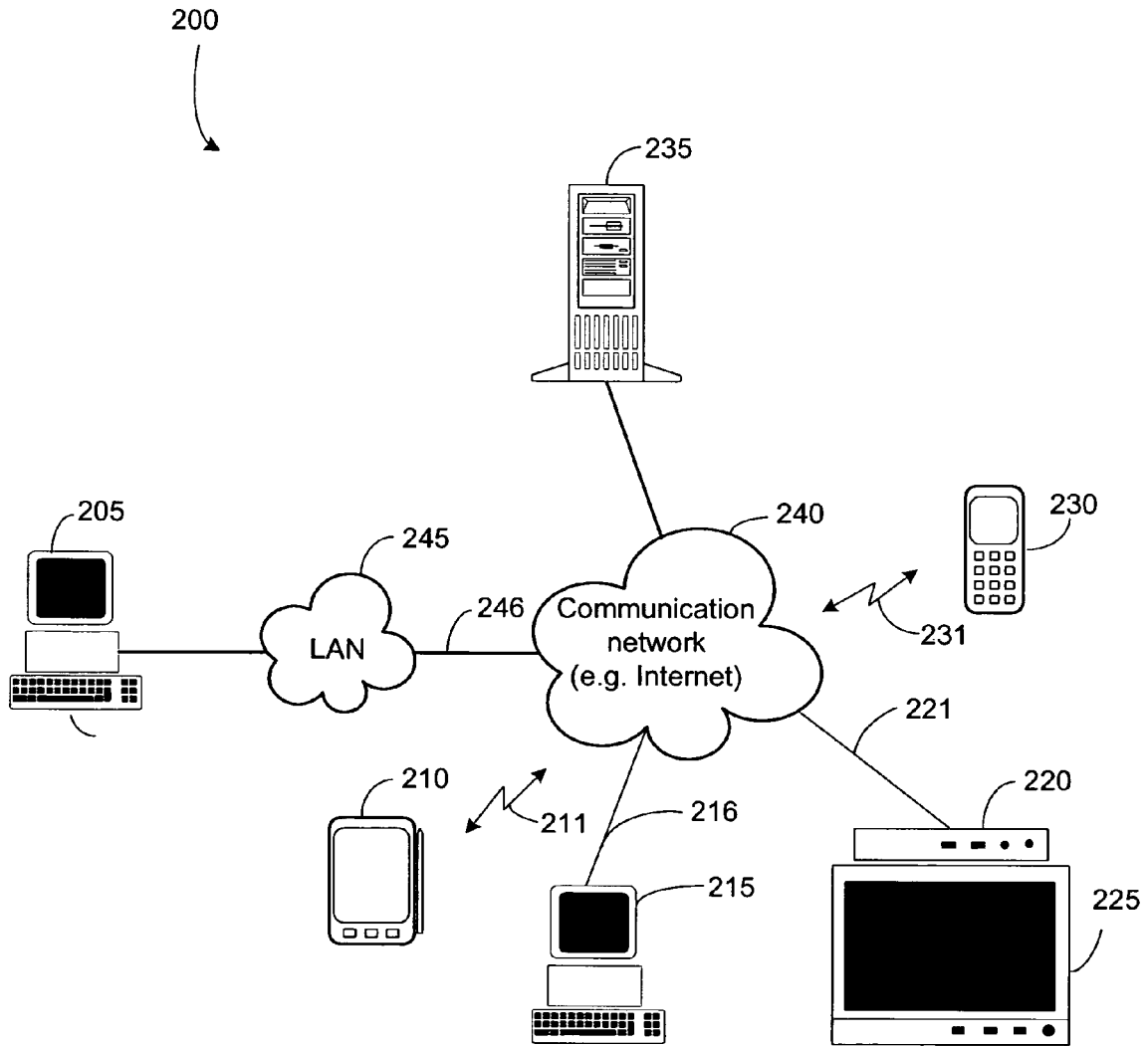


FIG. 2

440
↙

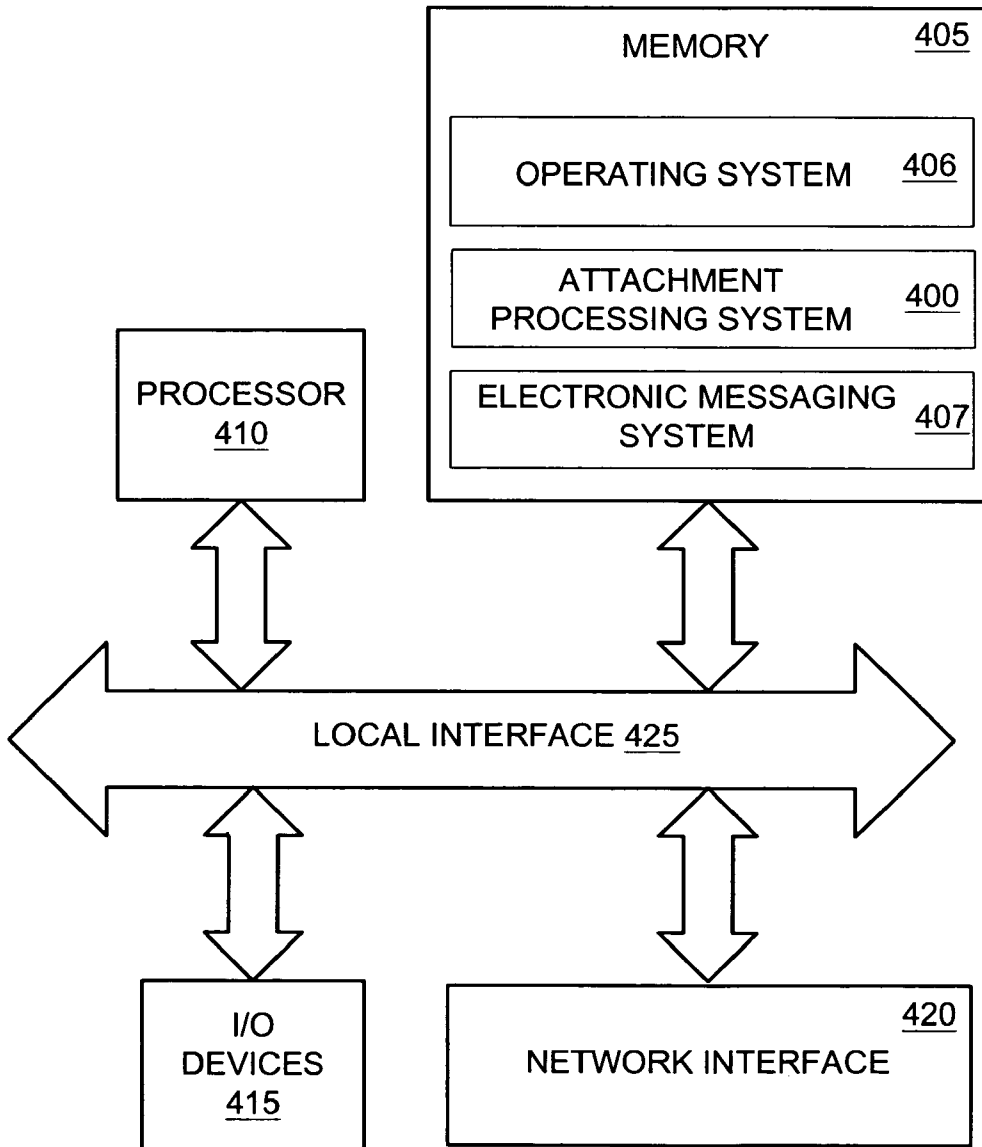


FIG. 3

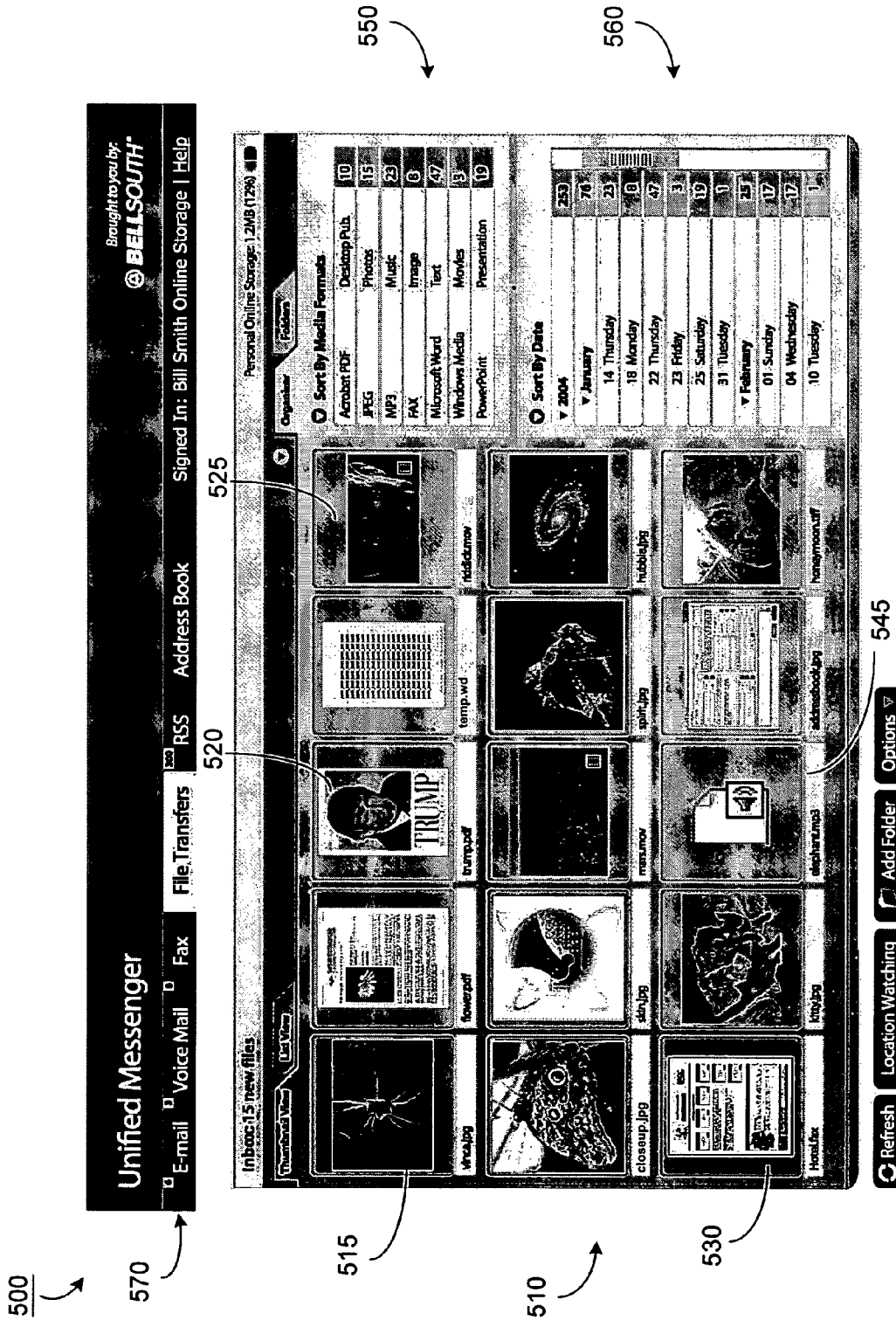


FIG. 4

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