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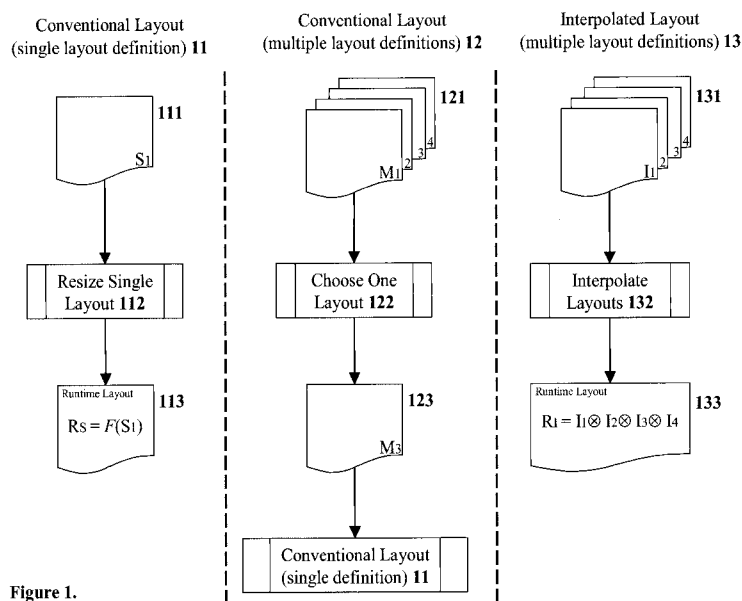


Figure 1.

(57) Abstract: Systems and methods are described for positioning graphical objects and elements of graphical objects including widgets. At least two source layouts are selected, each source layout proportioning elements of the graphical object to be positioned. An interpolated layout is generated from the source layouts whereby the graphical object is positioned based on the interpolated layout. Multiple elements may be processed so. Elements of the graphical object can be proportioned differently from one another and the source layouts may be selected based on their relationship in size to the size of a desired runtime layout. The elements can include widget regions and content within the widget regions may be scaled independently of the positioning of the widget regions. The methods may be incorporated in a machine readable medium as data and executable instructions.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 08/81874

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G06F 3/048 (2009.01)

USPC - 715/781

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC: 715/700, 762, 764, 781, 788, 789; 700/1, 90, 91 (keyword limited - see search terms below)

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST (PGPB,USPT,EPAB,JPAB); Google Scholar

Search Terms Used: graphic, interface, GUI, layout, position, interpolat, resolution, widget, object, element, dynamic, control, linear, region, adjust, chang, render, runtime, user, reposition, relocat, plurality, design, attribute, iterat, repeat, calculat etc.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/0171233 A1 (ZIMMER) 26 July 2007 (26.07.2007), entire document, especially Fig. 3, para [0017]-[0019] and [0022]	1-20
Y	US 2003/0146934 A1 (BAILEY et al.) 07 August 2003 (07.08.2003), entire document, especially Fig. 1, 2, 3a-3c, 4a-4b and 5a-5d, para [0010], [0032]-[0034], [0036], [0039], [0041], [0043] and [0051]	1-20
A	US 2007/0220437 A1 (BOILLOT) 20 September 2007 (20.09.2007), entire document	1-20
A	US 2007/0180391 A1 (ZIMMER et al.) 02 August 2007 (02.08.2007), entire document	1-20

☐ Further documents are listed in the continuation of Box C.

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