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(54) Title: COMPUTER-IMPLEMENTED METHOD FOR ARRANGING HYPERLINKS ON A GRAPHICAL USER-INTERFACE

Receive, via the GUI, a user selection to display a plurality of hyperlinks.
(310)

Rank hyperlinks.
(330)
See FIG. 3B.

Move first-ranked hyperlink to a first position on the GUI.
(380)

Move second and subsequently ranked hyperlinks to second and subsequent positions, respectively, on the GUI.
(390)

FIG. 3A

(57) **Abstract:** Methods and systems for arranging hyperlinks on a graphical user-interface (GUI) of a computerized system include receiving, via the GUI, a user selection to display a plurality of hyperlinks, the hyperlinks corresponding to one or more nodes of a first set. The methods and systems further include determining, by a processor, a rank of each hyperlink in the plurality of hyperlinks. Determining a rank includes constructing a first bipartite graph between the one or more nodes of the first set and one or more nodes of a second set, the first set and the second set being mutually exclusive, wherein edges of the first bipartite graph are weighted according to a first criterium and constructing a second bipartite graph between the one or more nodes of the first set and the one or more nodes of the second set, wherein edges of the second bipartite graph are weighted according to a second criterium, different from the first criterium. The first bipartite graph and the second bipartite graph are aggregated to form an aggregated bipartite graph. The one or more hyperlinks are ranked ordinally according to an aggregate weight of the corresponding node in the aggregated bipartite graph. The first-ranked hyperlink is automatically moved to a first position on the GUI and the second and subsequently ranked hyperlinks are

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