

ABSTRACT OF THE DISCLOSURE

GRAPH GENERATING DEVICE, GRAPH GENERATING METHOD AND GRAPH
GENERATING PROGRAM

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A graph generating device which can layout common nodes so as to have the same positional relationship as positional relationship in a graph before updating when content of graph structure data is updated, is provided. In a storage device
10 30, first graph structure data and layout original data with respect to the first graph structure data are stored. When second graph structure data obtained by updating content of the first graph structure data is input, data updating and registering means 51 stores the second graph structure data
15 in the storage device 30. When a graph corresponding to the second graph structure data is generated, layout position calculating means 52 specifies common nodes described common to the second graph structure data and the first graph structure data with respect to the second graph structure data
20 and performs layout of the graph under the conditions that concerning each of the common nodes, relative positional relationship defined by the layout original data with respect to the first graph structure data is maintained.

25 Fig. 1