



[54] **SYSTEM AND METHOD FOR
AUTOMATICALLY ROUTING A LINE IN A
GRAPHICS CHART**

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[21] Appl. No.: **08/600,887**

[22] Filed: **Feb. 13, 1996**

[51] **Int. Cl.⁶** **G06T 11/20**

[52] **U.S. Cl.** **345/440**

[58] **Field of Search** 395/140, 143,
395/440-43; 364/423.098, 424.027, 424.032,
424.029, 424.031

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[57] **ABSTRACT**

A method for automatically routing a line (54) through a graphics chart (28) from a starting point (70) to an ending point (71) in the chart is provided. The method includes collecting data for the chart (28) representing the location of each symbol (30, 32, 34, 36, 38, 40, & 42) in the chart (28) and the starting (70) and ending (71) points for the line. The method further includes determining a number of paths for the line (54) from the starting point (70) to the ending point (71) and scoring each of the lines. The method also includes selecting the line (54) with the best score as the line to route from the starting point (70) to the ending point (71).

28 Claims, 13 Drawing Sheets

