(54) **COMPUTER-IMPLEMENTED SYSTEM AND METHOD FOR GENERATING DATA GRAPHICAL DISPLAYS**

(75) Inventors: **Himesh G. Patel**, Apex, NC (US); **Frank Lee Wimmer**, Raleigh, NC (US); **Cleester Daniel Heath, IV**, Clayton, NC (US); **Paul W. Layne**, Cary, NC (US); **Kevin Dale Smith**, Raleigh, NC (US)

(73) Assignee: **SAS Institute Inc.**, Cary, NC (US)

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G06T 11/20 (2006.01)
(52) **U.S. Cl.** **345/440**; 345/440.2
(58) **Field of Classification Search** 345/440, 345/643, 418, 619, 440.2, 581; 707/102
See application file for complete search history.

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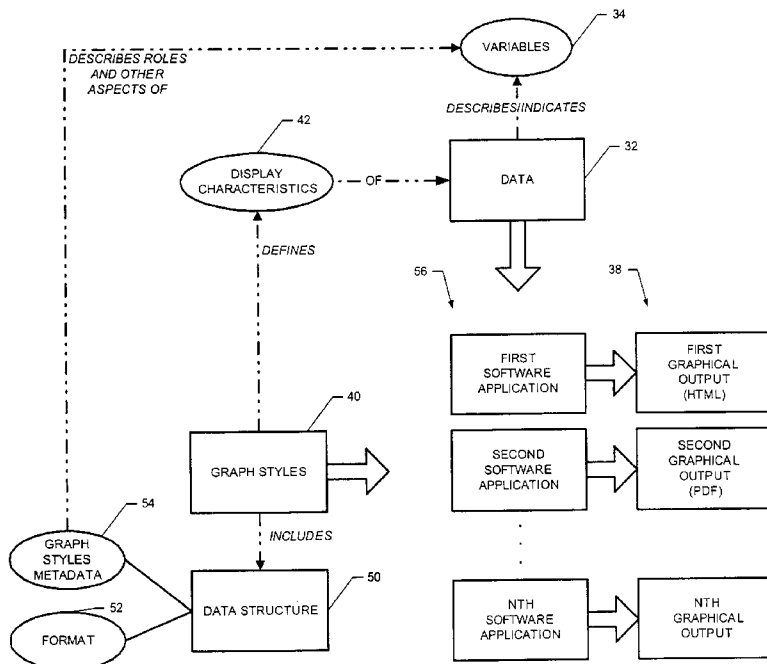* cited by examiner

Primary Examiner—Kee M. Tung
Assistant Examiner—Chante Harrison
(74) *Attorney, Agent, or Firm*—Jones Day

(57) **ABSTRACT**

A computer-implemented system and method for generating data graphical displays. The data is indicative of a plurality of variables. The system and method receive data that is to be displayed in a non-textual format. Graph style data items are retrieved that contain display characteristics for displaying the data in the non-textual format. The data is displayed in accordance with the graph style data items.
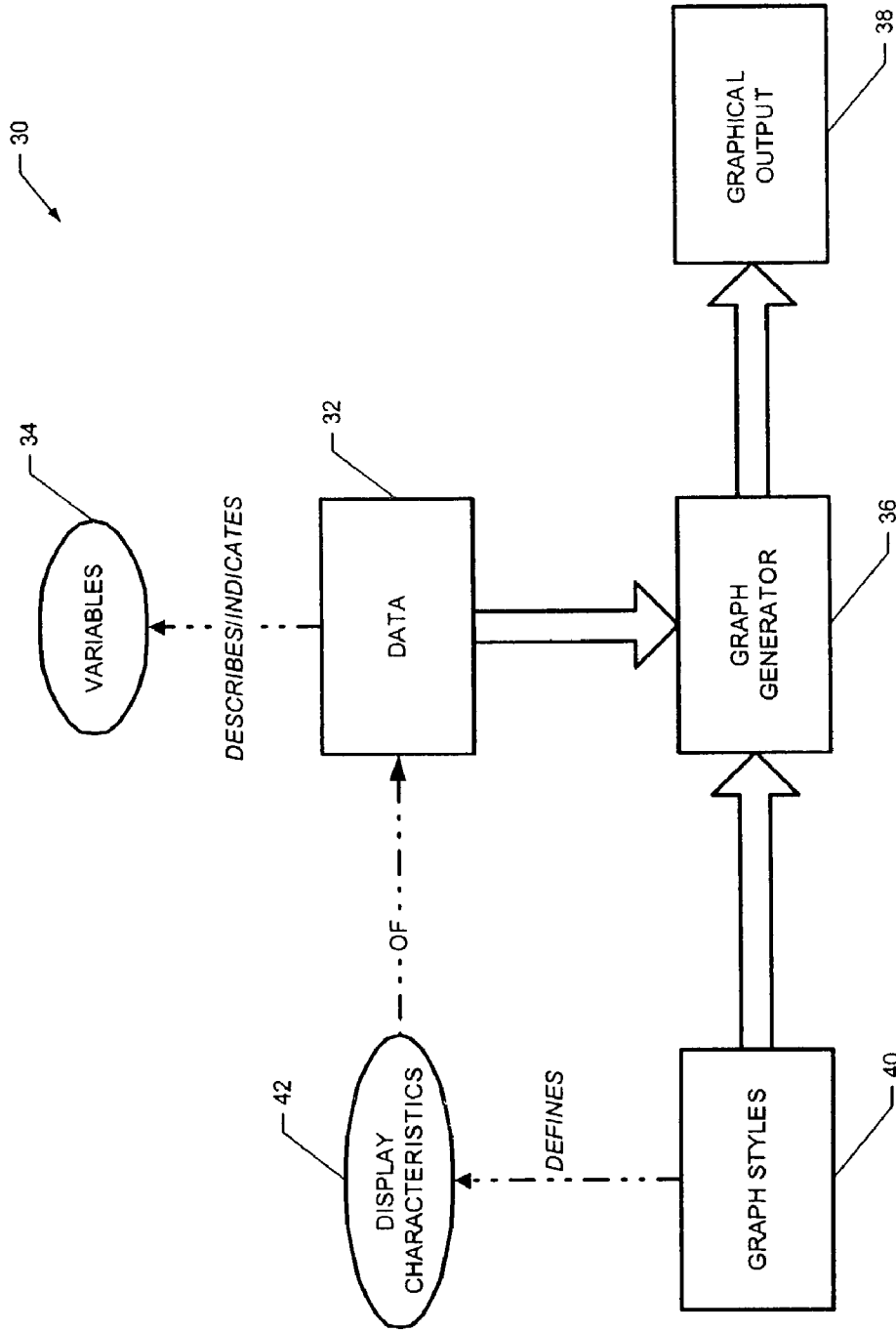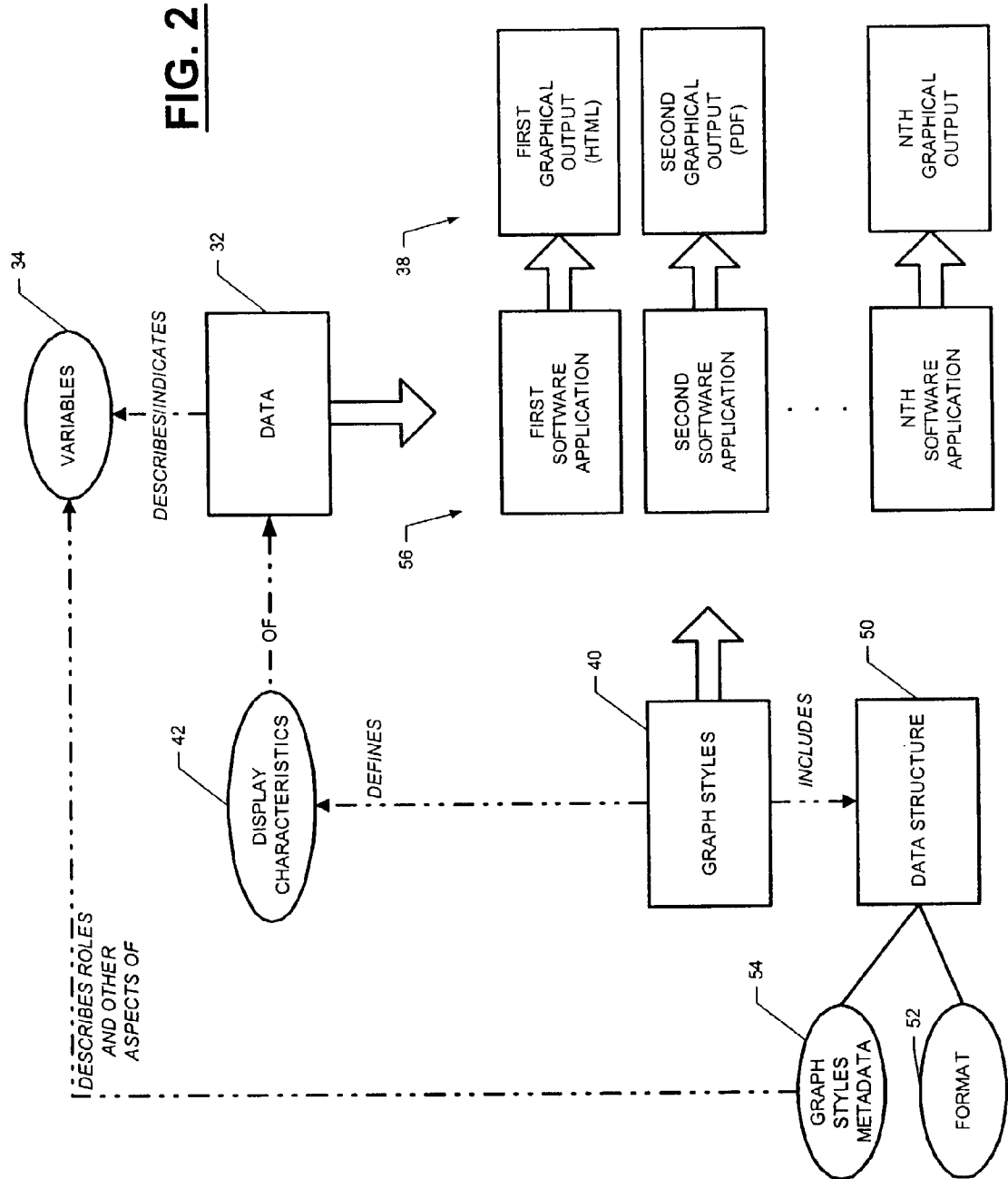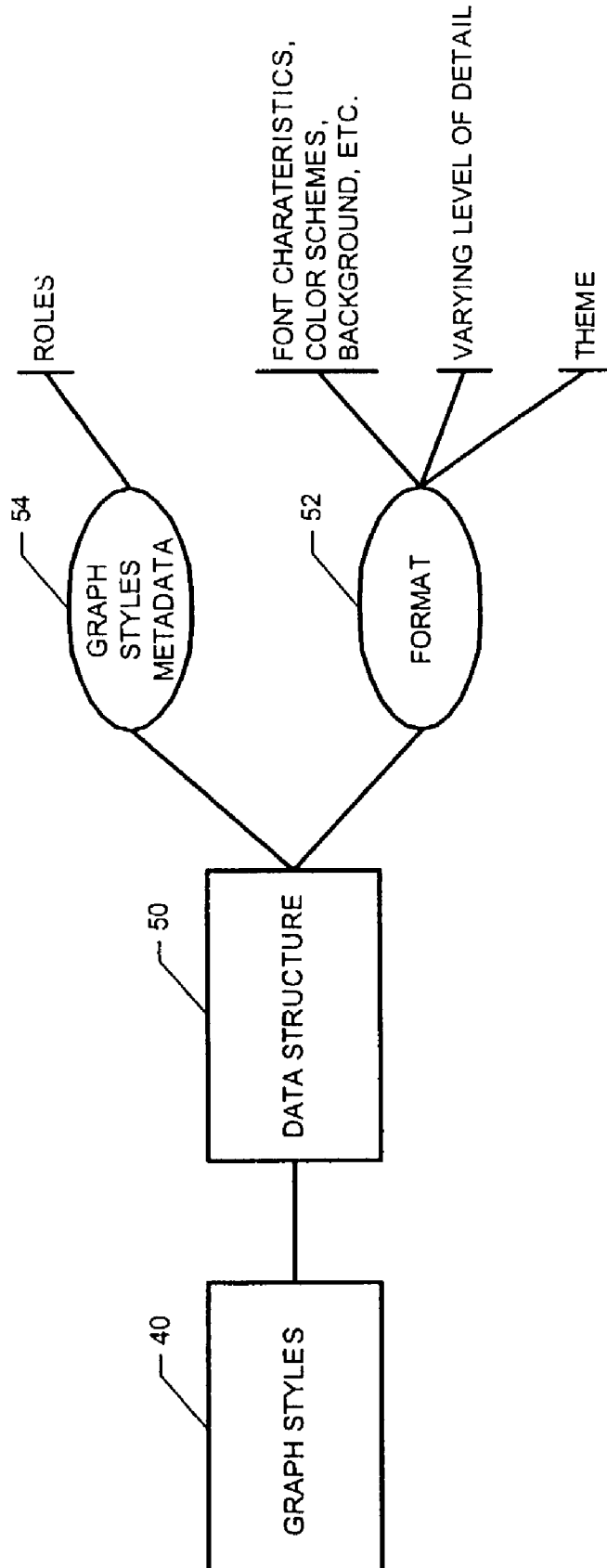
59 Claims, 23 Drawing Sheets

FIG. 1

FIG. 2

FIG. 3

100

102 — `<Report version="1.0" xmlns:style="`
104 — `http://www.sas.com/reportmodel/styles">`
`<Data>`
`<IQData type="2DEmbedded" name="Data0">`
`<EmbeddedData>`
110 — `<Variables>`
`<Variable name="Year4" varName="Year" label="Year" type`
`="String"/>`
`<Variable name="Year31" varName="Year3" label="Year" type`
`="String"/>`
`<Variable sasFormat="DOLLAR10.0" encoding="Text" name="Sales9"`
`varName="Sales" label="Sales" type="Numeric"/>`
`<Variable encoding="Text" name="__FREQ__14" varName="__FREQ__"`
`label="Frequency" type="Numeric"/>`
110 — `</Variables>`
112 — `<ValuesList>`
`<Values>`
114 — `<Value>1997</Value>`
116 — `<Value>1997</Value>`
118 — `<Value>10000</Value>`
120 — `<Value>1</Value>`
`</Values>`
150 — `<Values>`
`<Value>1998</Value>`
`<Value>1998</Value>`
`<Value>12000</Value>`
`<Value>1</Value>`
`</Values>`
150 — `<Values>`
`<Value>1999</Value>`
`<Value>1999</Value>`
`<Value>15000</Value>`
`<Value>1</Value>`
`</Values>`
`<Values>`
`<Value>2000</Value>`
`<Value>2000</Value>`
`<Value>16000</Value>`
`<Value>1</Value>`
`</Values>`

FIG. 4A

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