

United States Patent [19]

Tonelli et al.

[11] **Patent Number:** **5,821,937**[45] **Date of Patent:** **Oct. 13, 1998**[54] **COMPUTER METHOD FOR UPDATING A NETWORK DESIGN**[75] Inventors: **Daniel L. Tonelli**, Hopkinton; **Kevin M. Maloney**, Swampscott; **Kevin W. Cronin**, Norfolk; **Martin H. Katz**, Framingham, all of Mass.[73] Assignee: **NetSuite Development, L.P.**, Concord, Mass.[21] Appl. No.: **695,608**[22] Filed: **Aug. 12, 1996****Related U.S. Application Data**

[63] Continuation-in-part of Ser. No. 606,327, Feb. 23, 1996.

[51] **Int. Cl.⁶** **G06F 3/00**[52] **U.S. Cl.** **345/356; 395/200.55**[58] **Field of Search** 395/335, 200.02, 395/200.3, 200.48, 200.51, 200.53, 200.54, 200.57, 200.8; 345/335, 339, 348, 349, 356[56] **References Cited****U.S. PATENT DOCUMENTS**

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Network Planning and Documentation with NetGuru Manager.

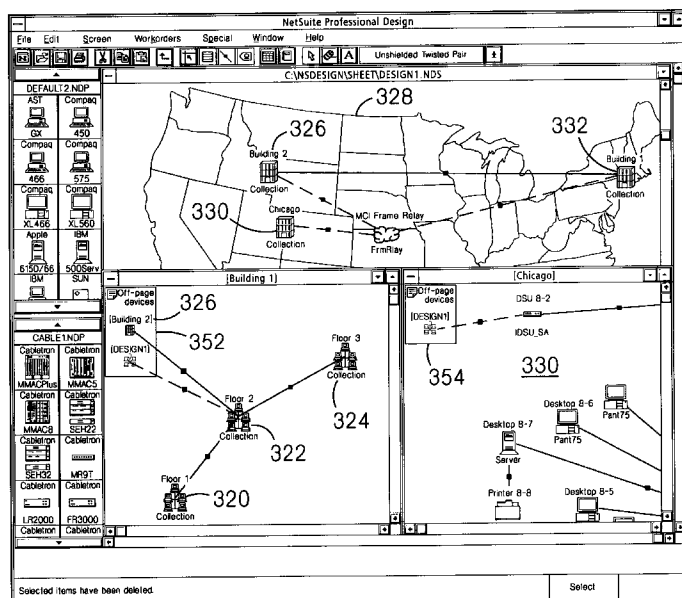
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Primary Examiner—A. Katbab*Attorney, Agent, or Firm*—Fish & Richardson P.C.[57] **ABSTRACT**

A method for designing networks including auditing a network to discover a present network configuration, creating a network design sheet from the discovered network configuration, placing device icons representing intelligent device objects on the network design sheet, selecting a media type representing an intelligent media object, and connecting the media type to a first one of the device icons. The method further includes validating the connection to the first one of the device icons.

35 Claims, 49 Drawing Sheets

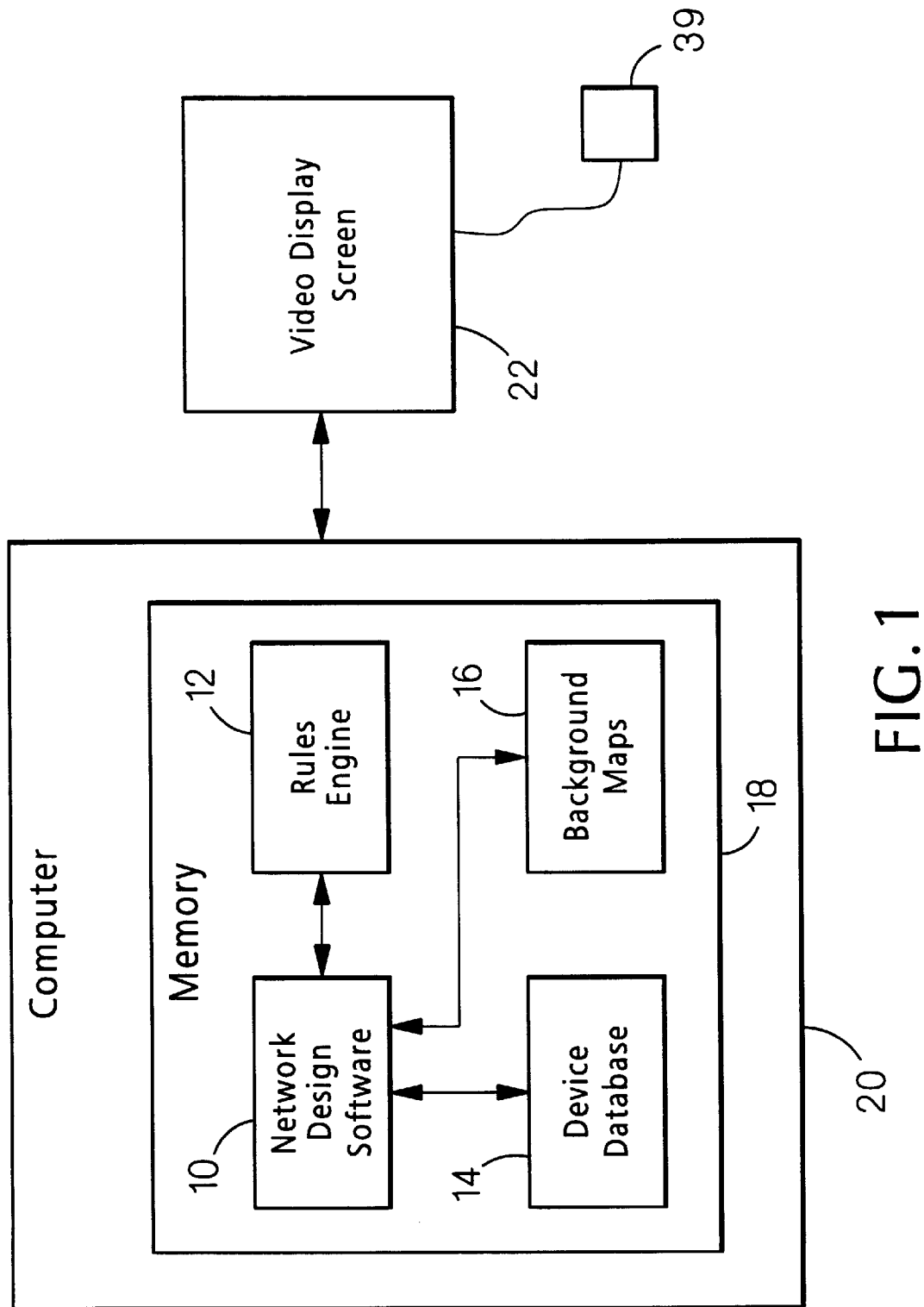


FIG. 1

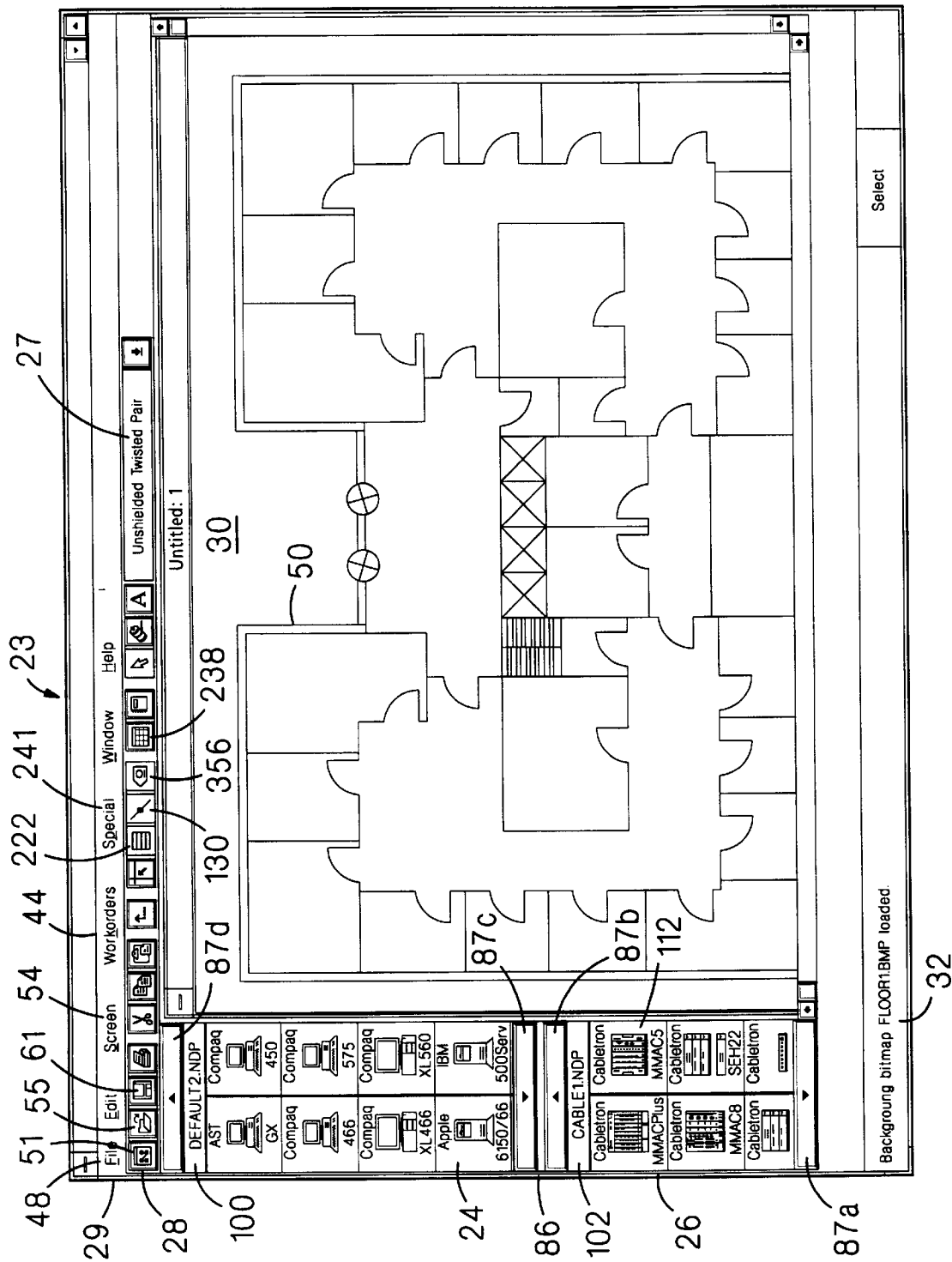


FIG. 2

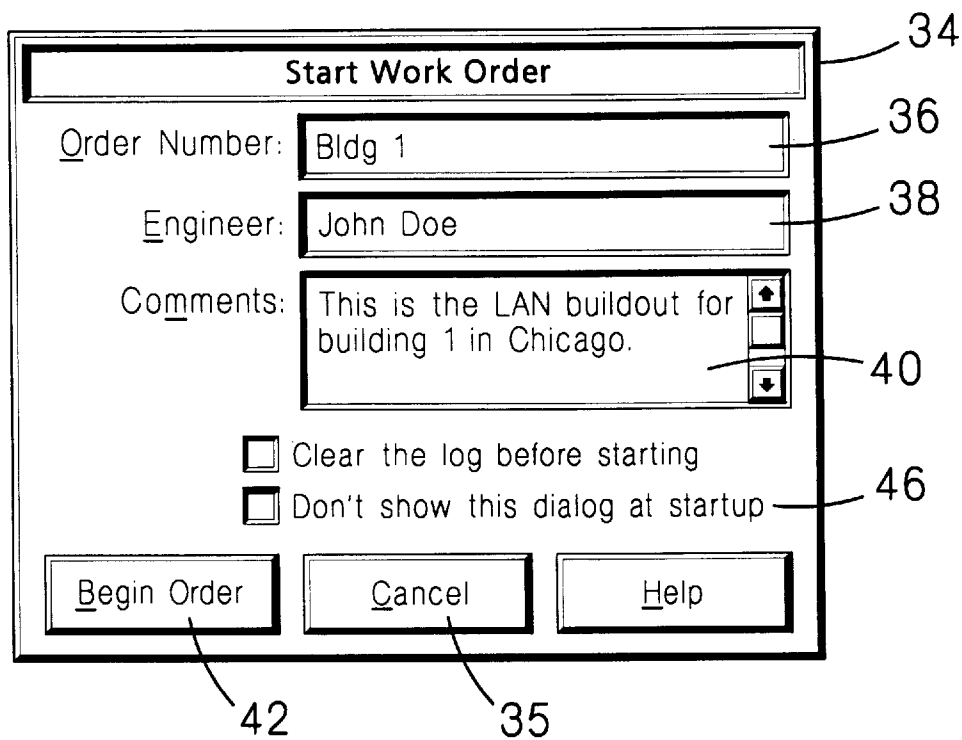


FIG. 3a

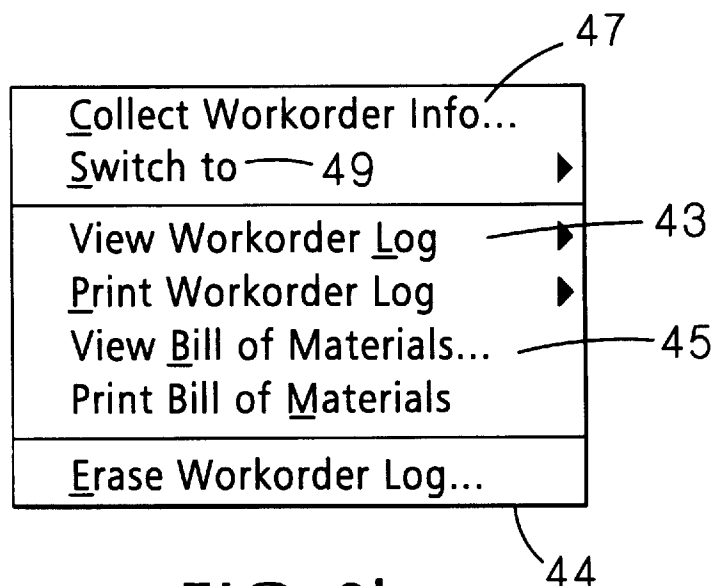
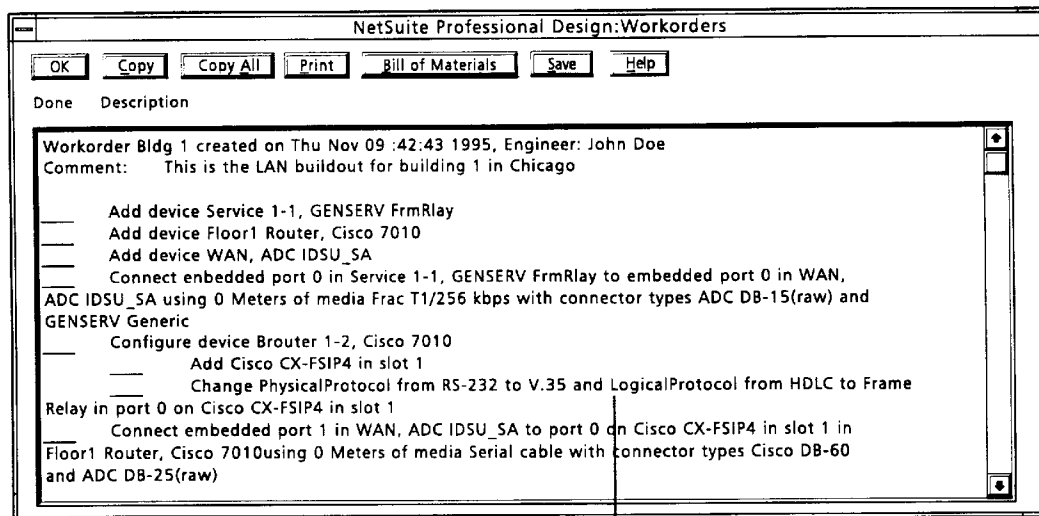


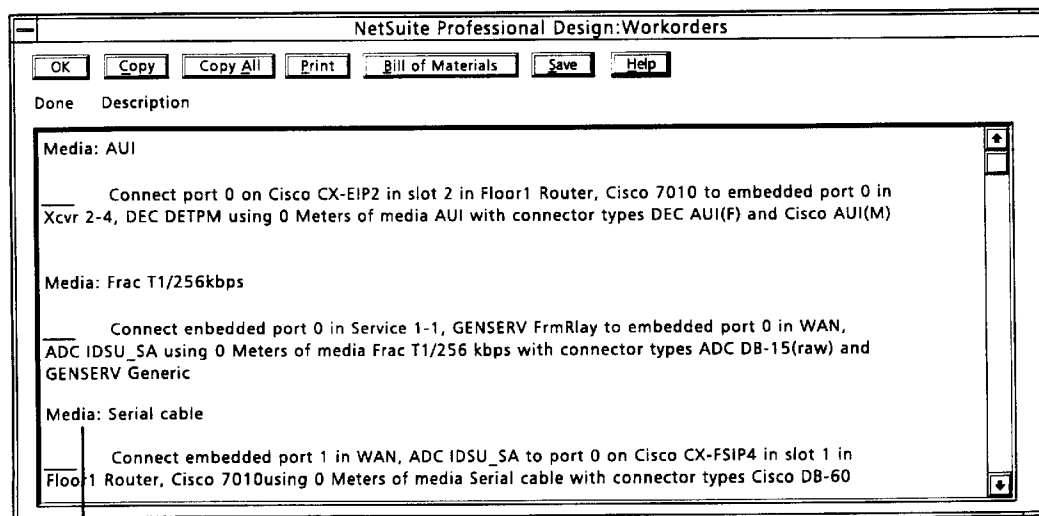
FIG. 3b



Note the level of detail. Any port protocol changes are logged.

49

FIG. 3c



The log is sorted by media types.

51

FIG. 3d

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