

(12) **United States Patent**
Rosenlund et al.

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- (54) **SYSTEM AND METHOD OF PROVIDING PUBLISHING AND PRINTING SERVICES VIA A COMMUNICATIONS NETWORK**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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- (22) Filed: **Jul. 30, 1999**
- (51) **Int. Cl.⁷** **G06F 15/00**
- (52) **U.S. Cl.** **358/1.15; 358/1.18**
- (58) **Field of Search** 358/1.1, 1.5, 1.9, 358/1.12, 1.13, 1.14, 1.15, 1.16, 1.17, 1.18; 707/9, 10, 100, 104

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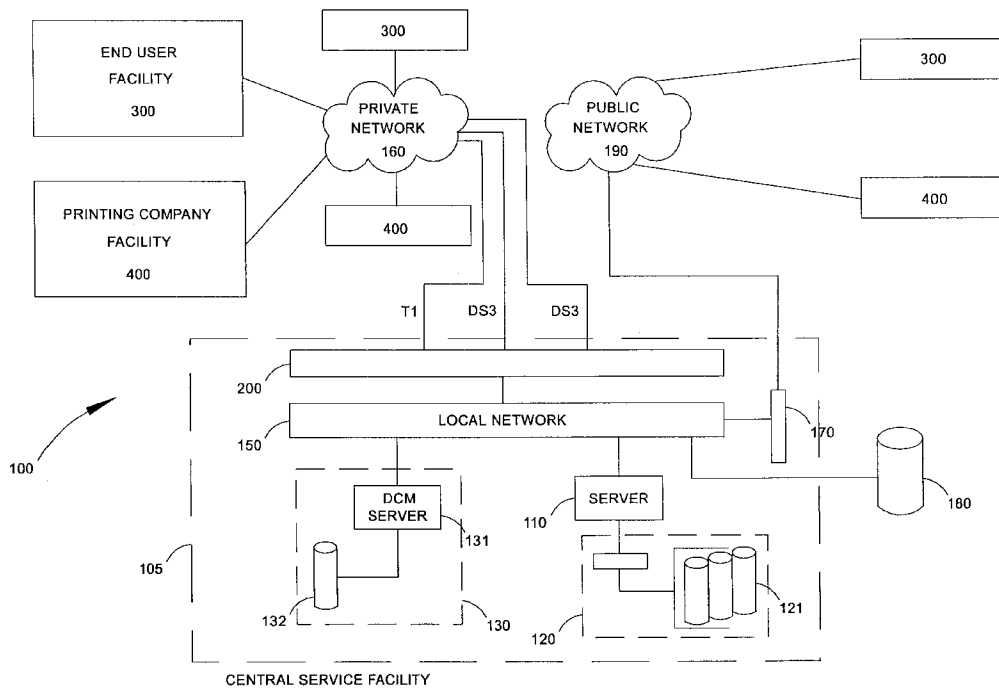
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(57) **ABSTRACT**

A printing and publishing system providing prepress, content management, infrastructure, and workflow services to system subscribers in real time using a communication network is disclosed herein. The printing and publishing system includes a central service facility and an end-user facility and/or a printing company facility. The end user facility provides page building operations allowing the design and construction of pages from images, text, and data available via said communication network. The printing company facility provides imposition operations allowing the setting of pages on a particular plate as well as positioning and orientation of pages on said plate. The central service facility provides storage, file processing, remote access, and content management operations. Content management operations include the capture, organization, archival, retrieval, and reuse of electronic files containing any one of text, graphics, photos, artwork, full pages, audio, video, and completed projects. Content management operations further include the organization and cataloging of file content for browsing, searching, and retrieving of files and data.

20 Claims, 19 Drawing Sheets



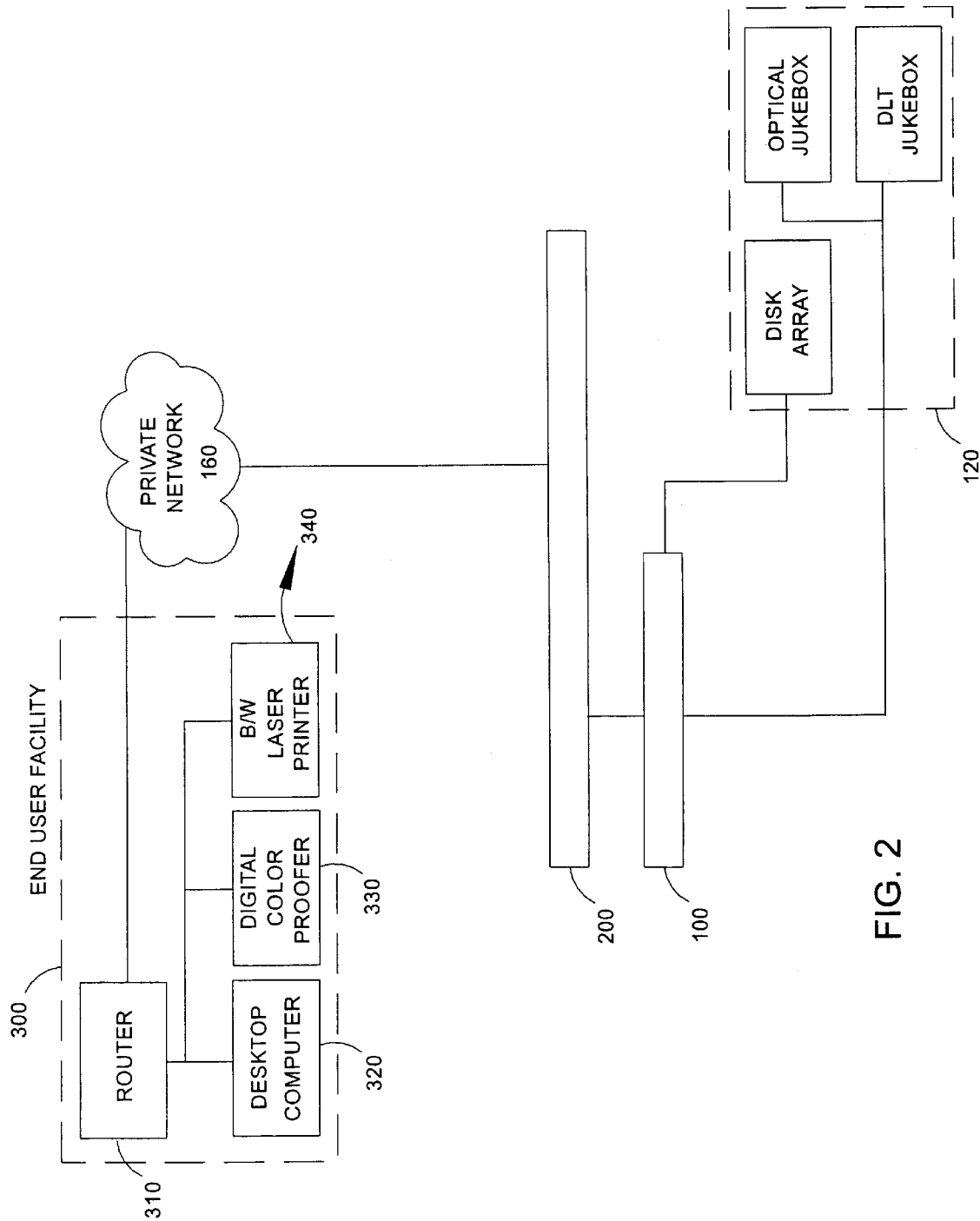


FIG. 2

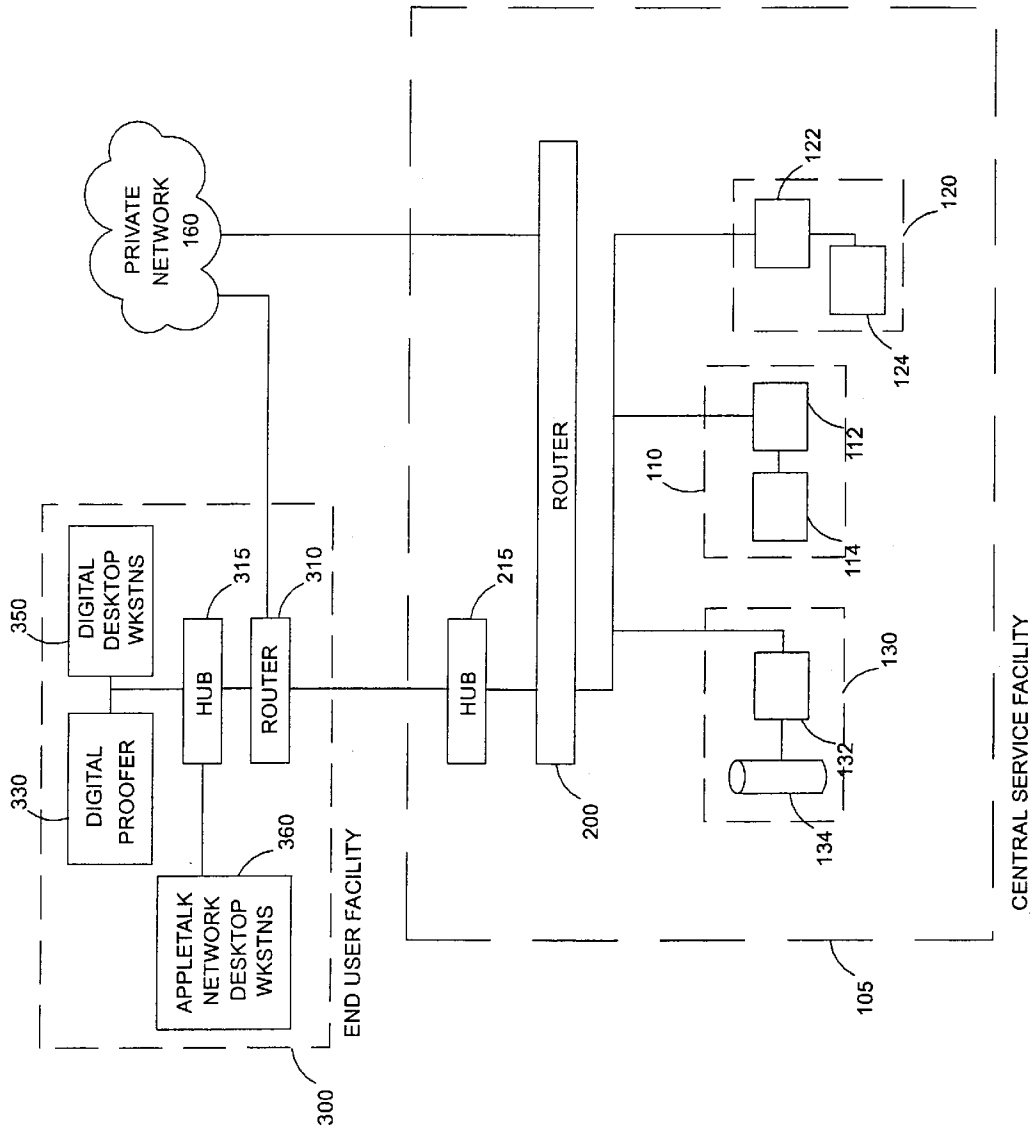


FIG. 3

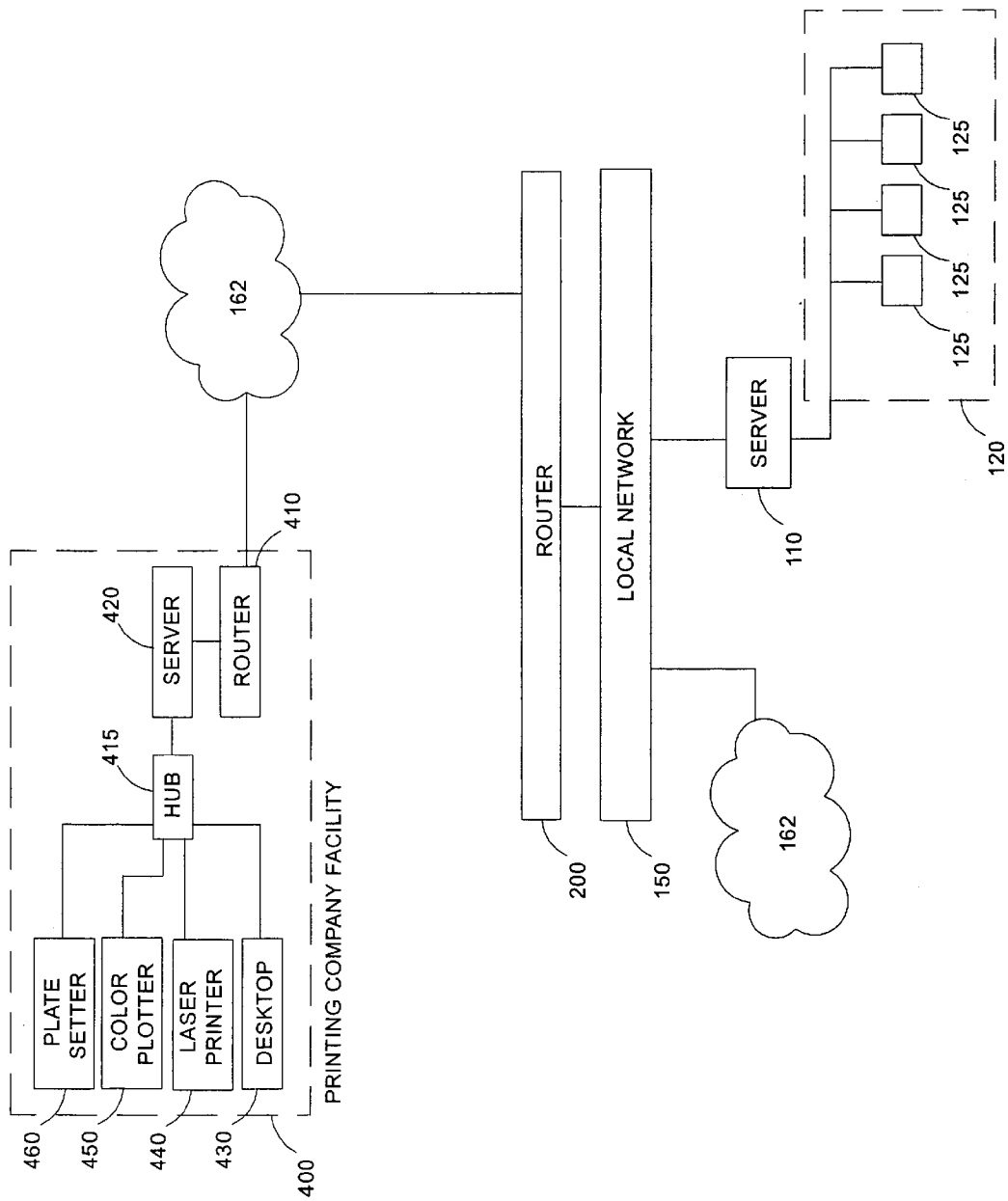


FIG. 4

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