

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

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(54) **SYSTEM AND METHOD OF GENERATING A PRINTING PLATE FILE IN REAL TIME USING A COMMUNICATION NETWORK**

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* cited by examiner

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(51) **Int. Cl.**⁷ **G06K 15/00**

(52) **U.S. Cl.** **358/1.15; 358/1.18**

(58) **Field of Search** 358/1.15, 1.2, 358/1.12, 1.18

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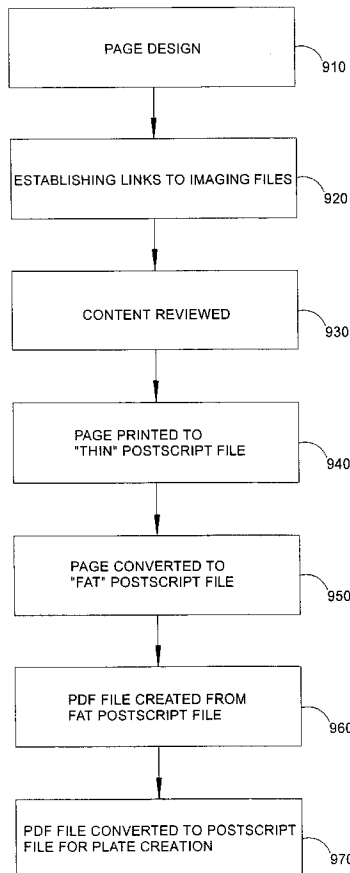
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(57) **ABSTRACT**

A printing and publishing system which generates a printing plate-ready file from data provided remotely 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 central service facility provides storage, file processing, remote access, and content management operations. File processing operations include generating a plate-ready file from pages designed at said end user facility. The plate-ready file has a file format capable of high resolution and is ready for creation of a printing plate. The printing company facility provides printing operations for producing a printing plate from said plate-ready file.

14 Claims, 19 Drawing Sheets



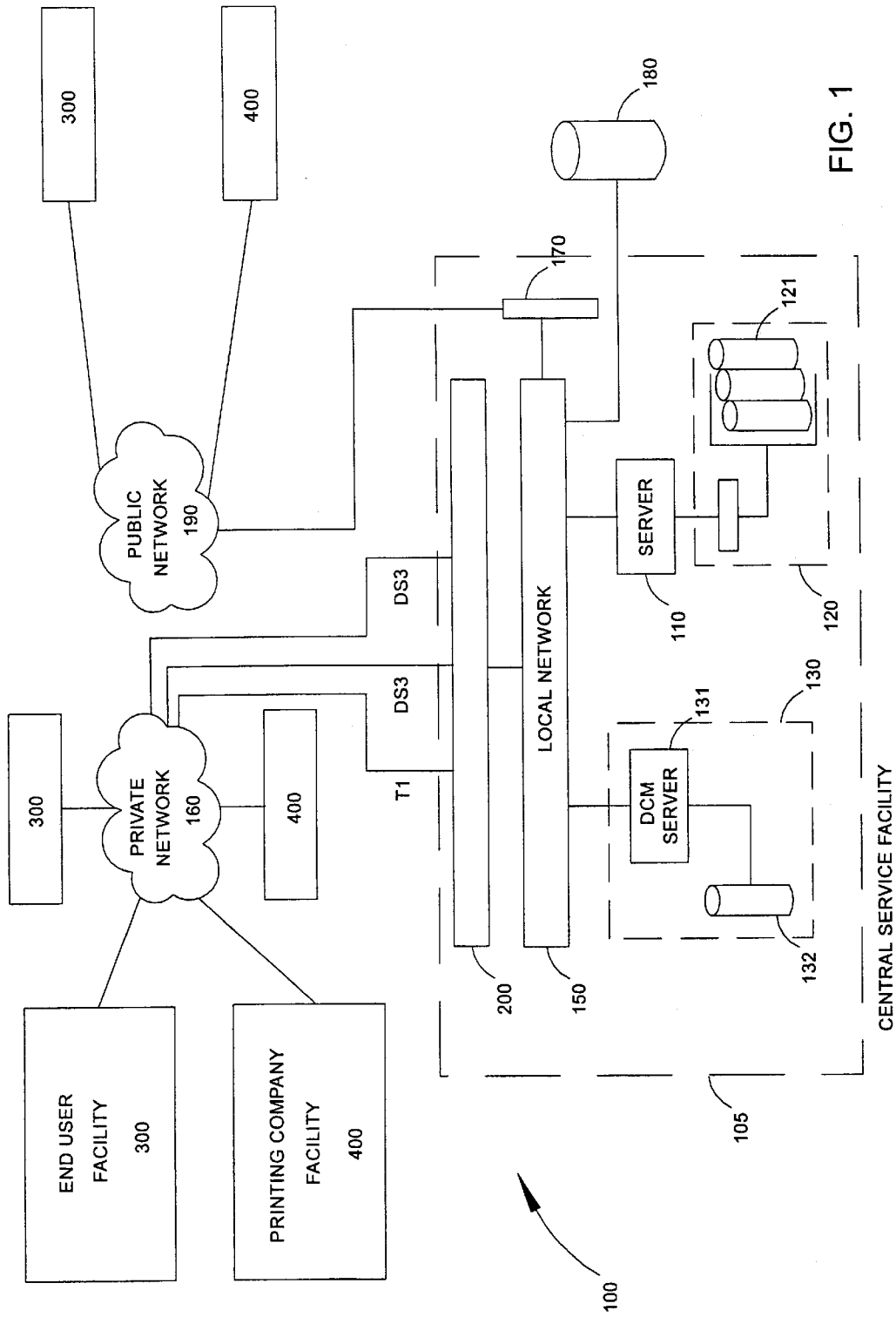


FIG. 1

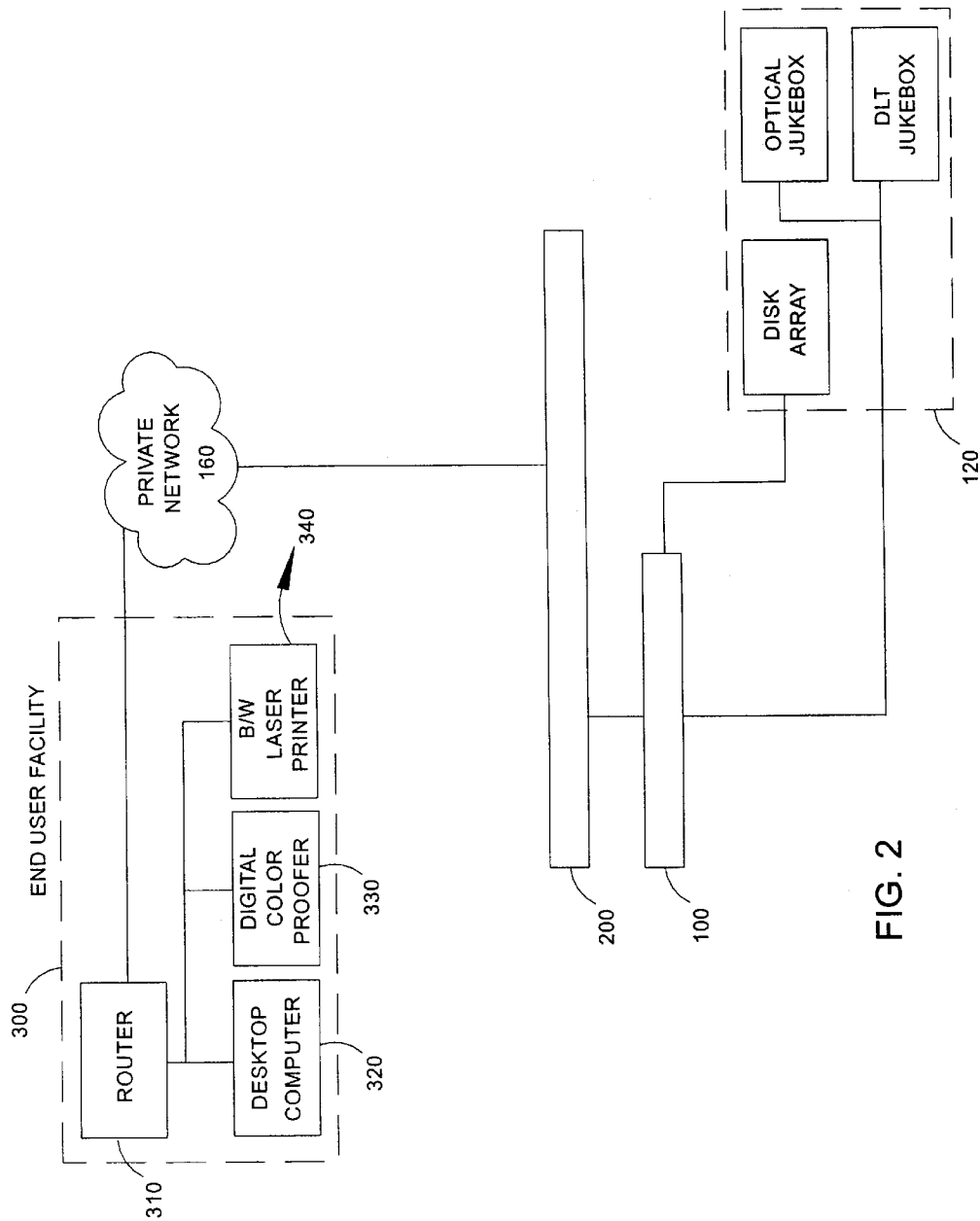


FIG. 2

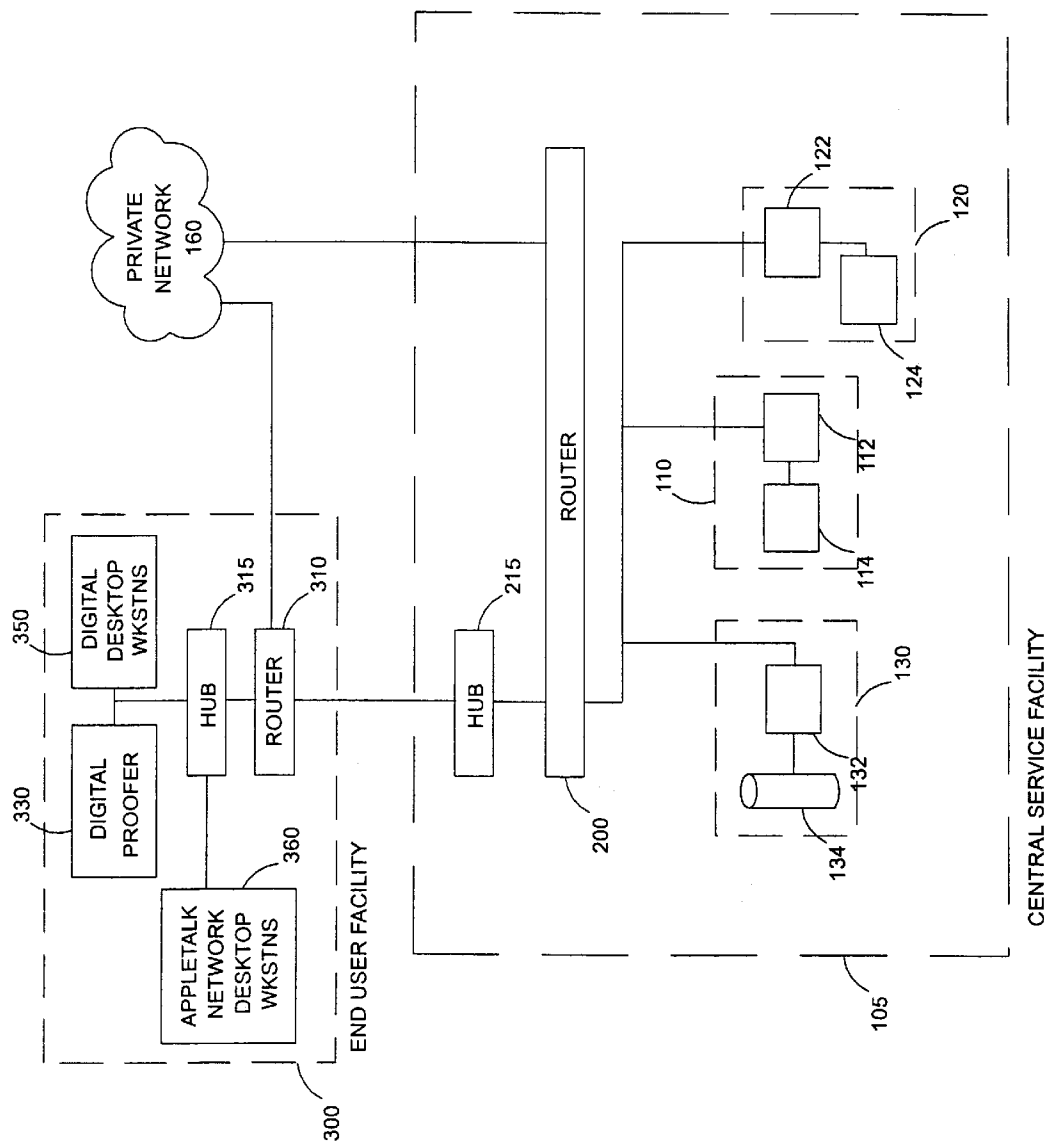


FIG. 3

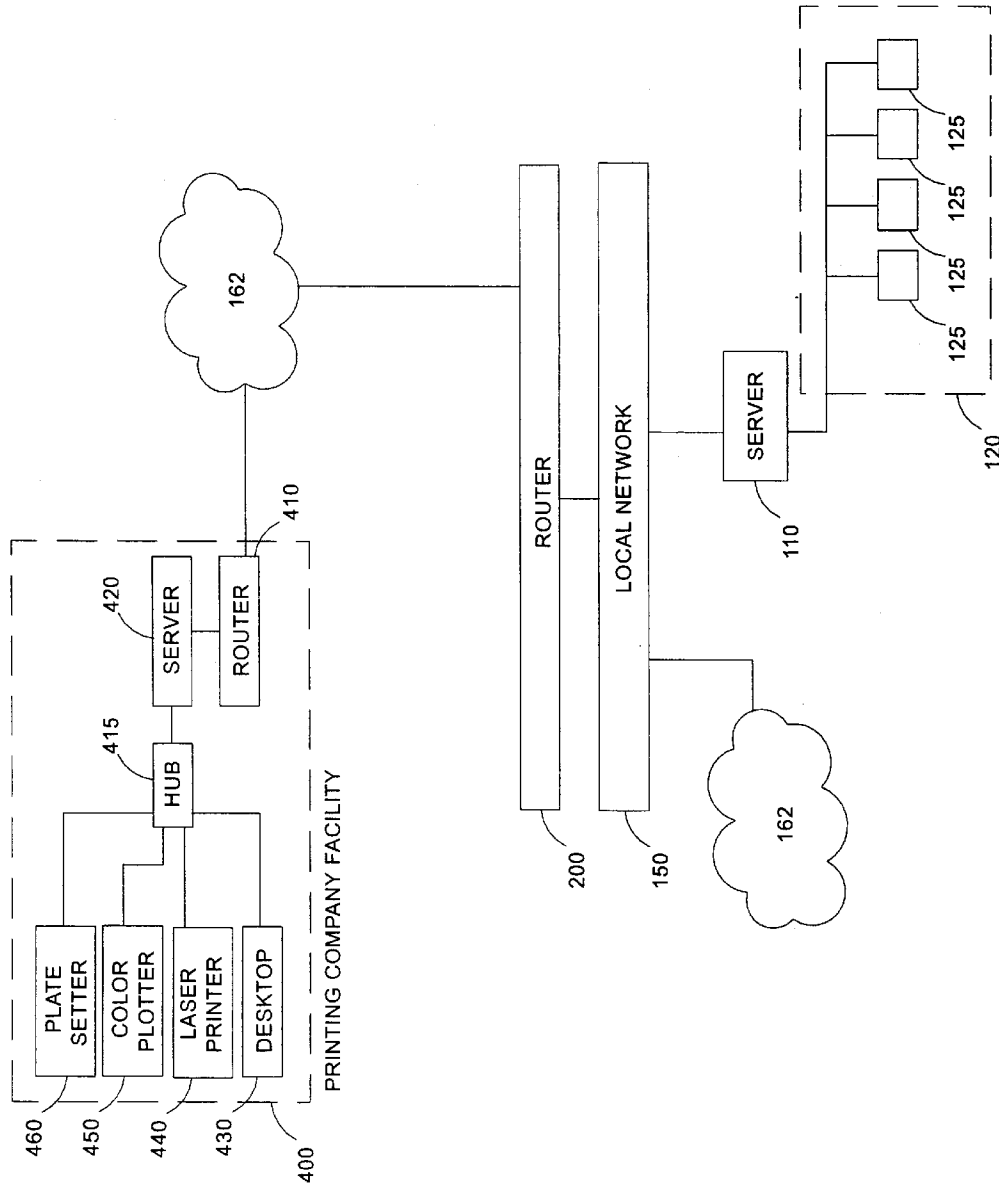


FIG. 4

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