



United States Patent [19]

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Sands et al.

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[54] DIGITAL PAGE IMAGING SYSTEM

4,928,252 5/1990 Gabbe et al. 395/112
5,021,975 6/1991 Yamanashi 395/115

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OTHER PUBLICATIONS

“Poststrip” manual, Copyright 1989, Ultimate Technographics, Inc.
“Press Imposition for IBM 4250/General Information”, R. R. Donnelley & Sons Company, Feb. 21, 1989.

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[21] Appl. No.: **738,217**

[57] ABSTRACT

[22] Filed: **Jul. 30, 1991**

A digital page imaging (DPI) system receives customer transmitted technical document files produced on a desktop publishing package and ensures that the documents are produced properly. The system provides an easy to use interface, reduces turnaround time in processing customer work, and eliminates errors associated with manual imposition processes. The DPI system consists of a work station, modem and related telecommunication link, a photo typesetter and a software package for automatically imposing flats for printing on the typesetter.

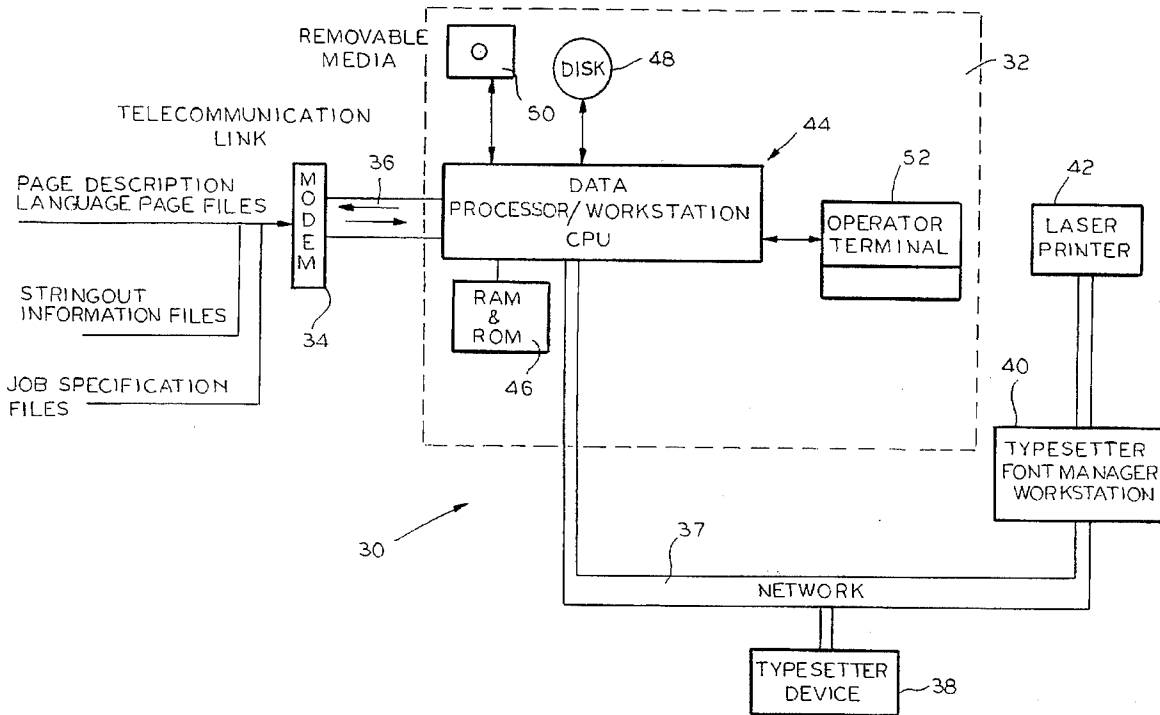
[51] Int. Cl.⁶ **G06K 15/00**
[52] U.S. Cl. **395/117; 101/453**
[58] Field of Search 395/115, 116, 395/117, 101, 145-149, 162-164; 101/453, 463.1, 464, 465-467, 450.1

[56] References Cited

U.S. PATENT DOCUMENTS

4,718,784 1/1988 Drisko 395/117

30 Claims, 38 Drawing Sheets



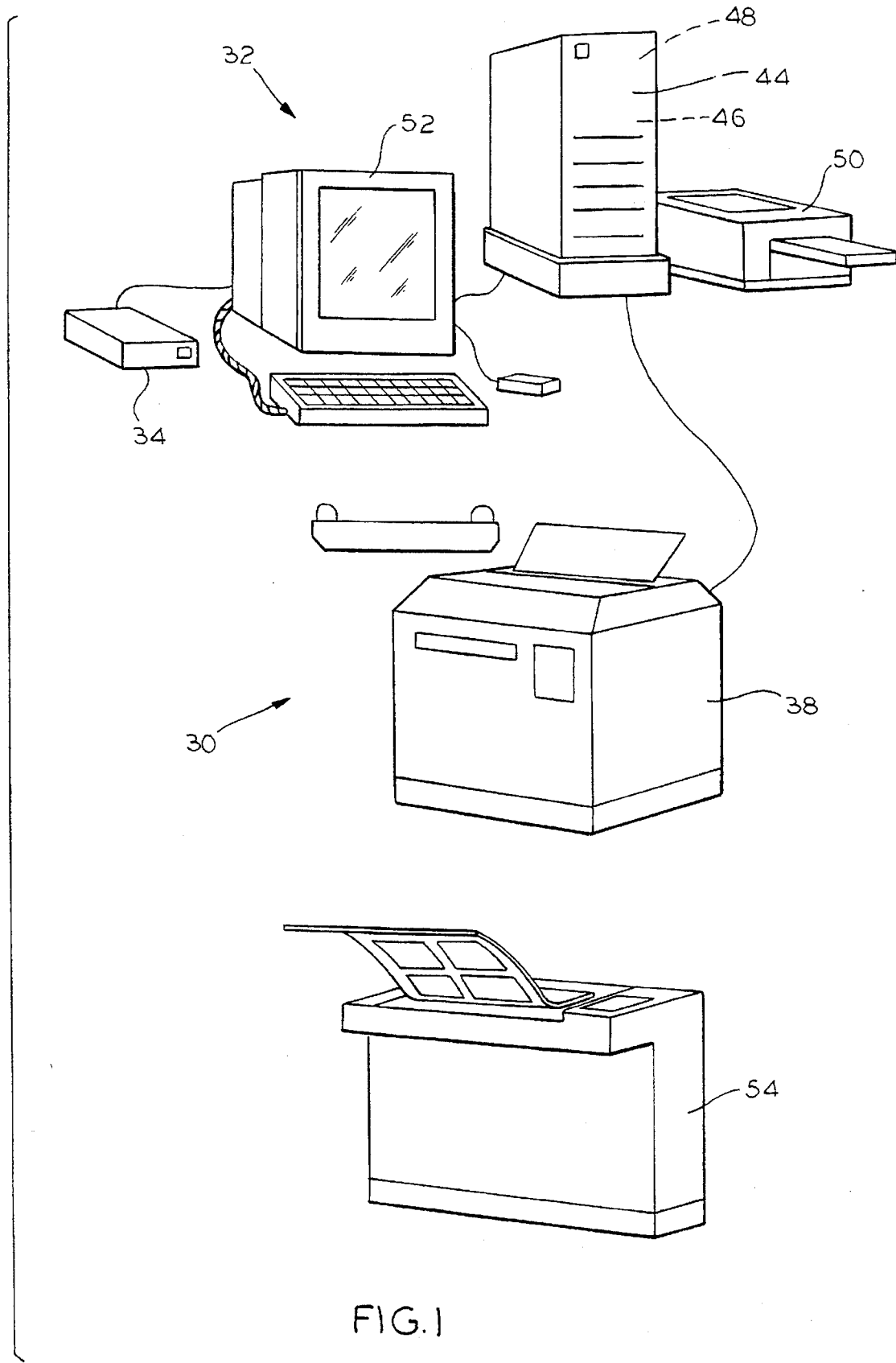


FIG. 1

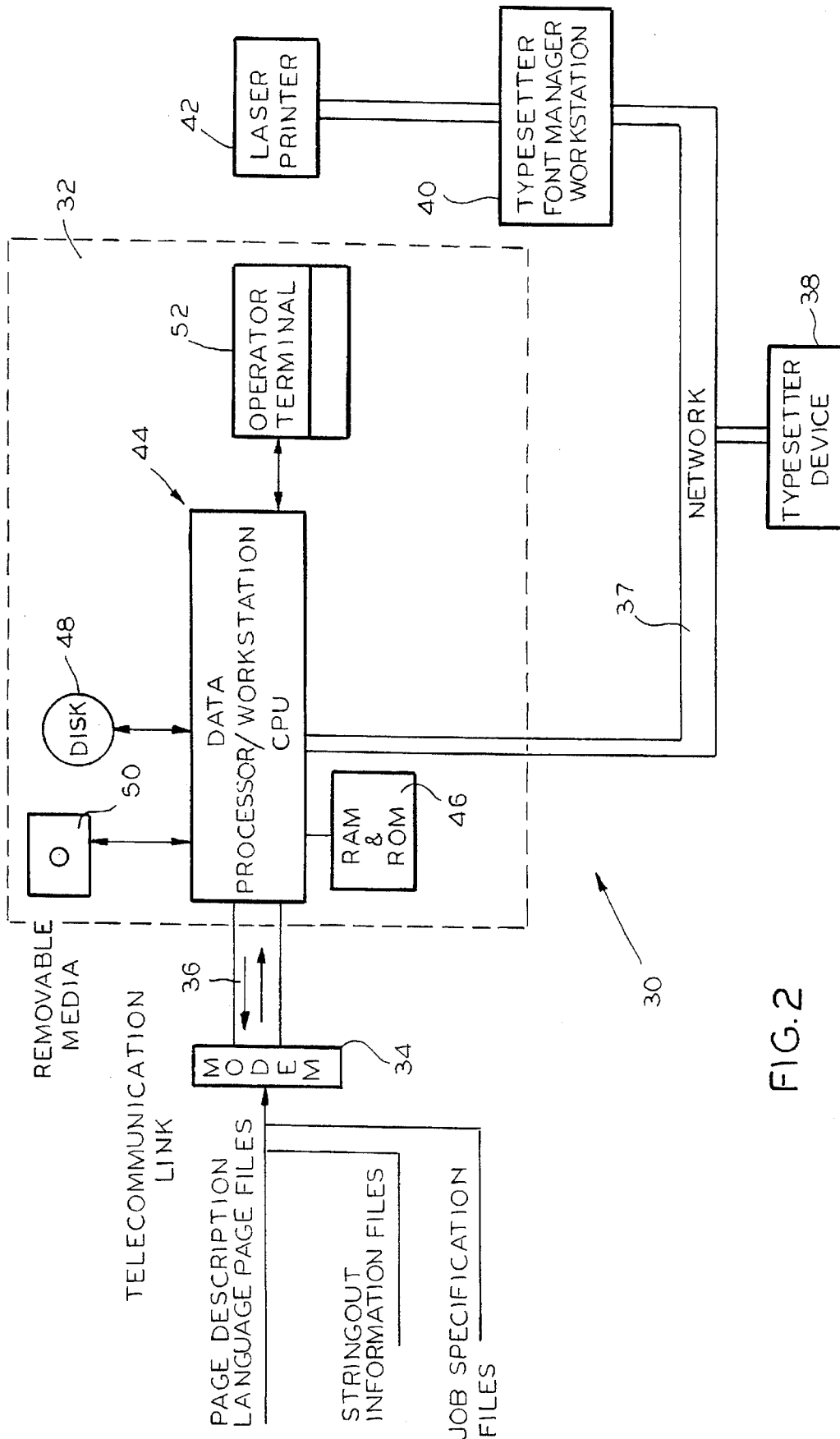


FIG. 2

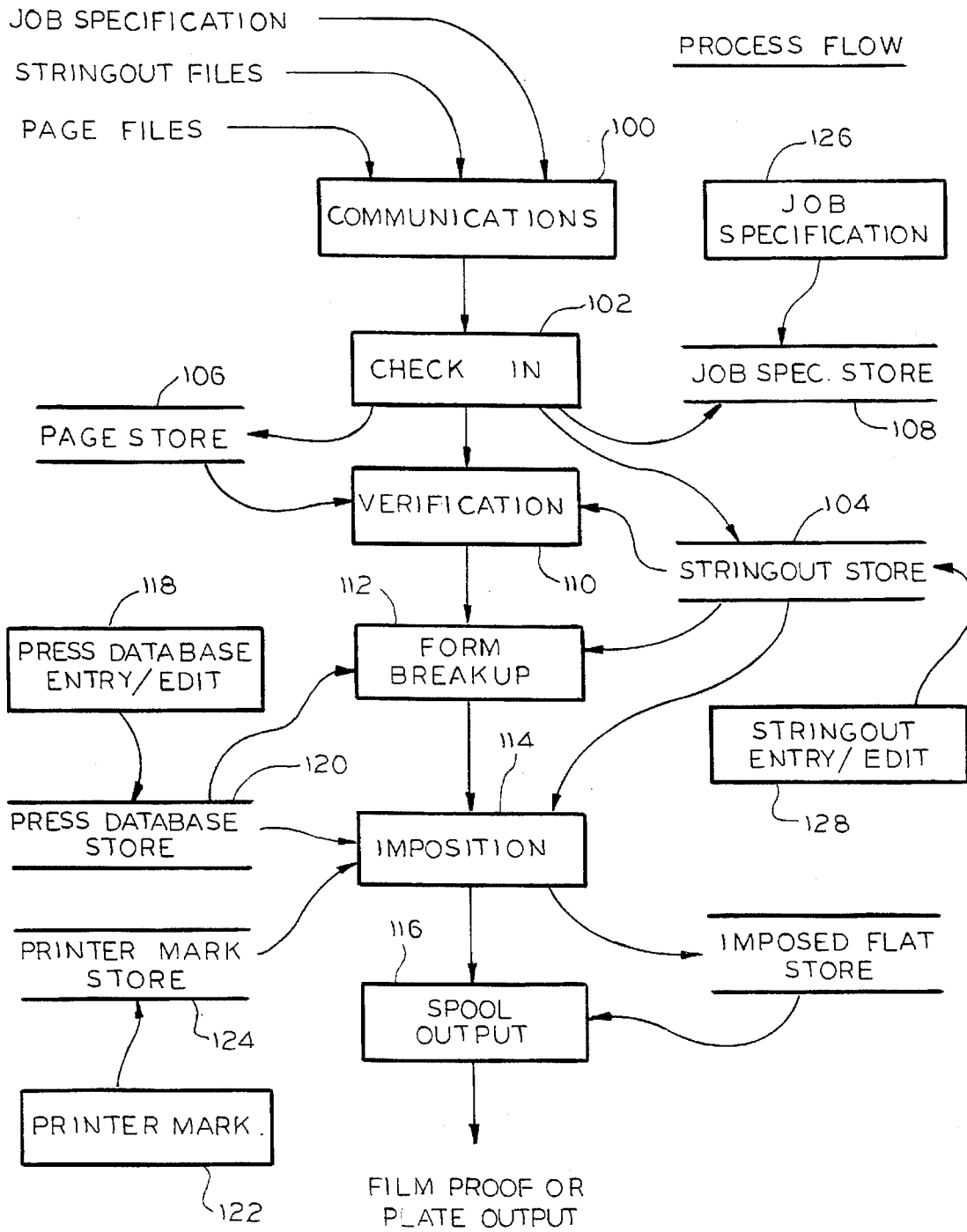


FIG.3

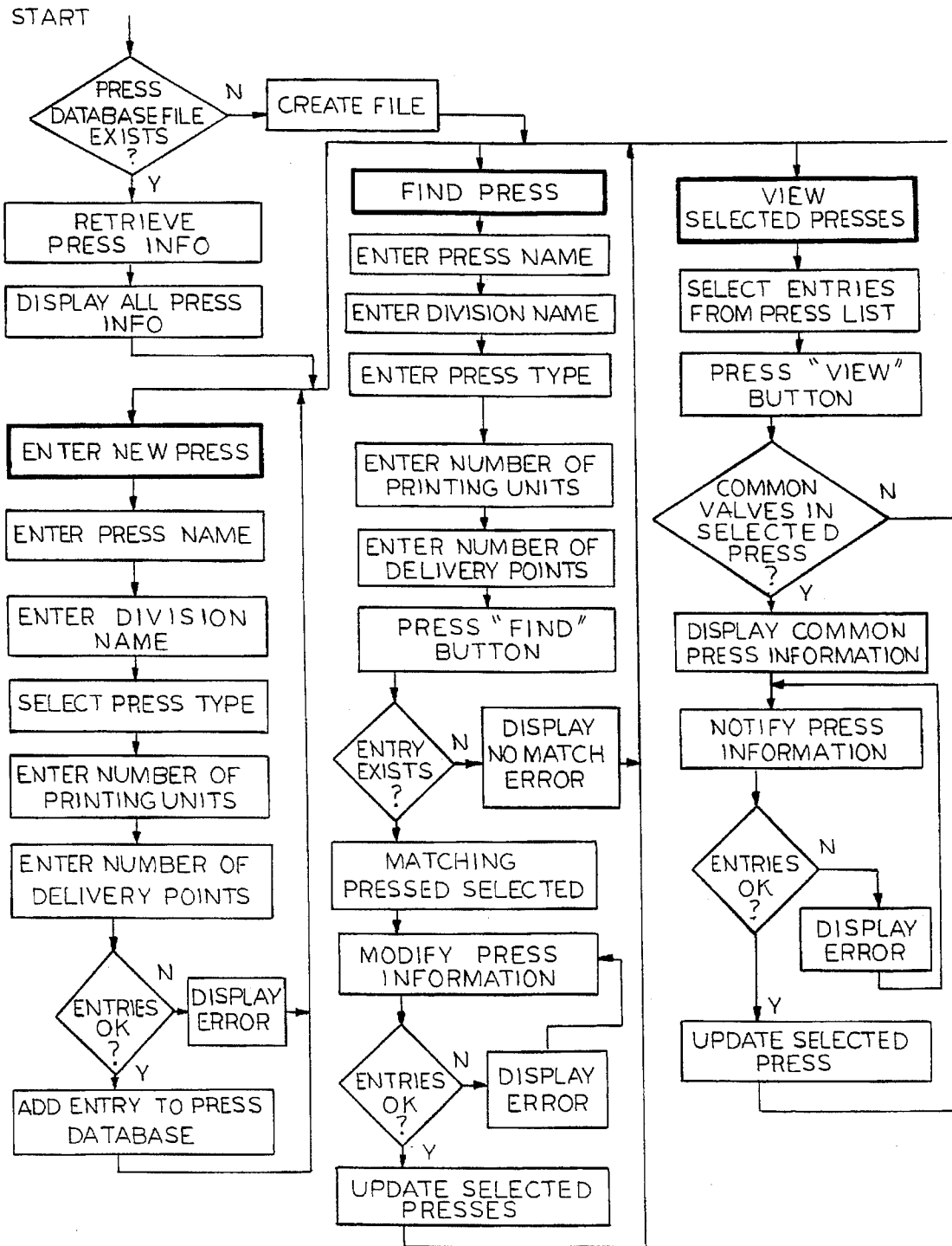


FIG. 4A-1

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