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United States Patent [19]

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Hayashi et al.

[45] Date of Patent: **Apr. 26, 1994**

[54] **INFORMATION PROCESSING SYSTEM AND METHOD FOR PROCESSING DOCUMENT BY USING STRUCTURED KEYWORDS**

FOREIGN PATENT DOCUMENTS

- 0032194A1 7/1981 European Pat. Off. .
- 0280866A2 9/1988 European Pat. Off. .
- 0361464A2 4/1990 European Pat. Off. .

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[57] ABSTRACT

[21] Appl. No.: **741,760**

A document processing system for processing documents by using structured keywords comprises an output system and a receiver system. The output system includes a first storage for storing a structured keyword dictionary containing structured keywords among which relations are systematically structured, and linkage unit providing linkage information for establishing correspondences between constituent parts of an input document and corresponding ones of the keywords. The receiver system is coupled to the output system and includes a second storage for storing structured keywords among which relations are systematically structured, and retrieving unit having inputs supplied with the document and the linkage information for retrieving the document to thereby form data of a predetermined edition format by using the structured keyword read out from the second storage. Data transfer between the output system and the receiver systems can be performed either on-line or off-line.

[22] Filed: **Aug. 7, 1991**

[30] Foreign Application Priority Data

Aug. 22, 1990 [JP] Japan 2-219039

[51] Int. Cl.⁵ **G06F 15/40**

[52] U.S. Cl. **364/419.07; 364/419.17**

[58] Field of Search **364/419; 395/600**

[56] References Cited

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15 Claims, 17 Drawing Sheets

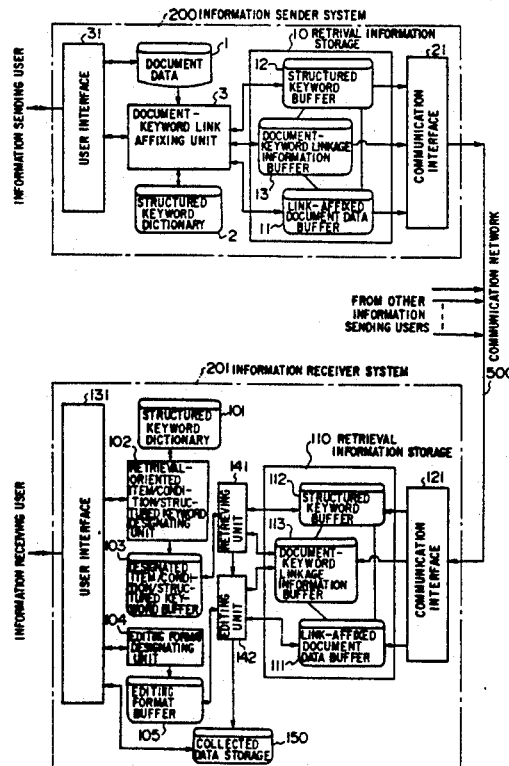


FIG. 1

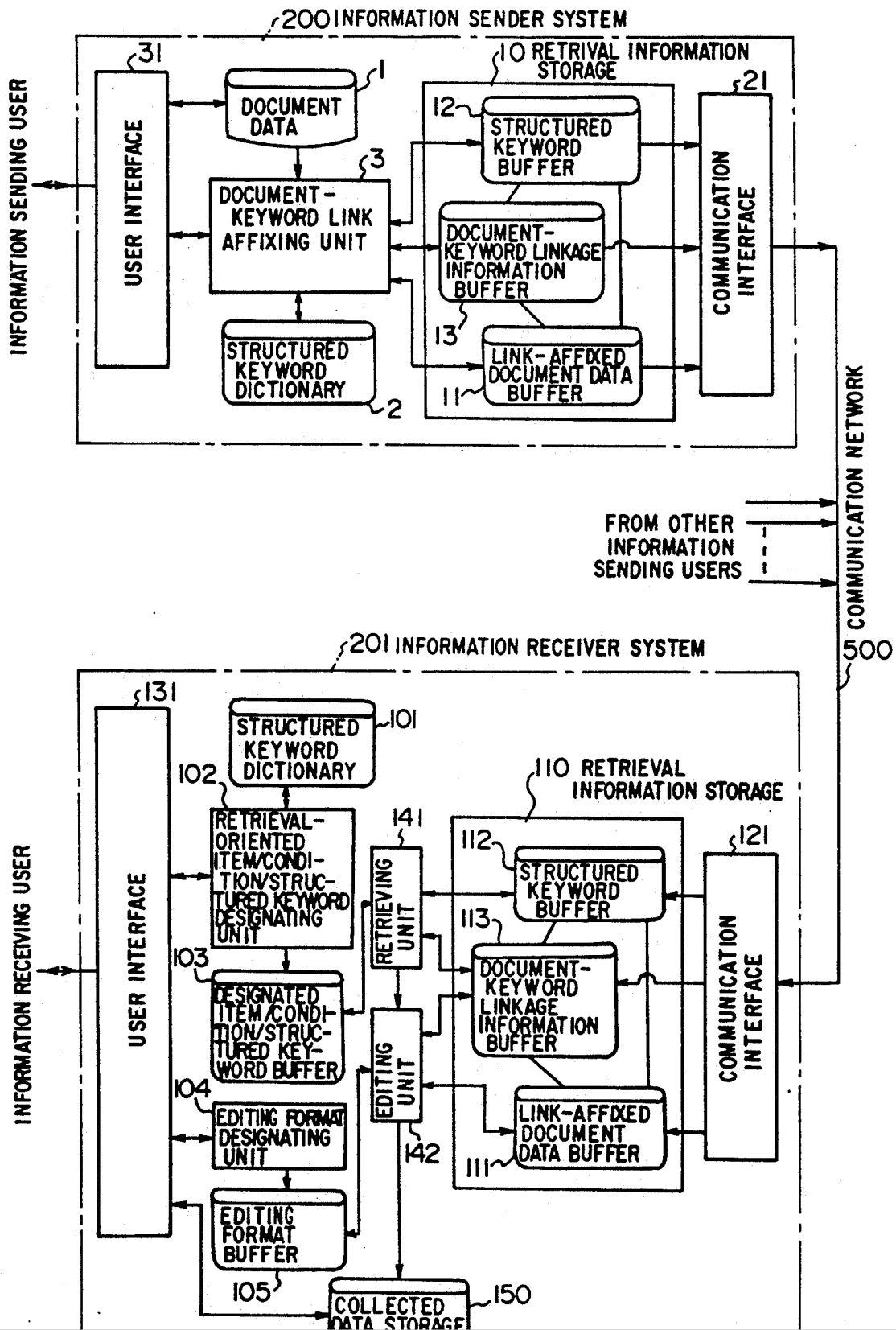
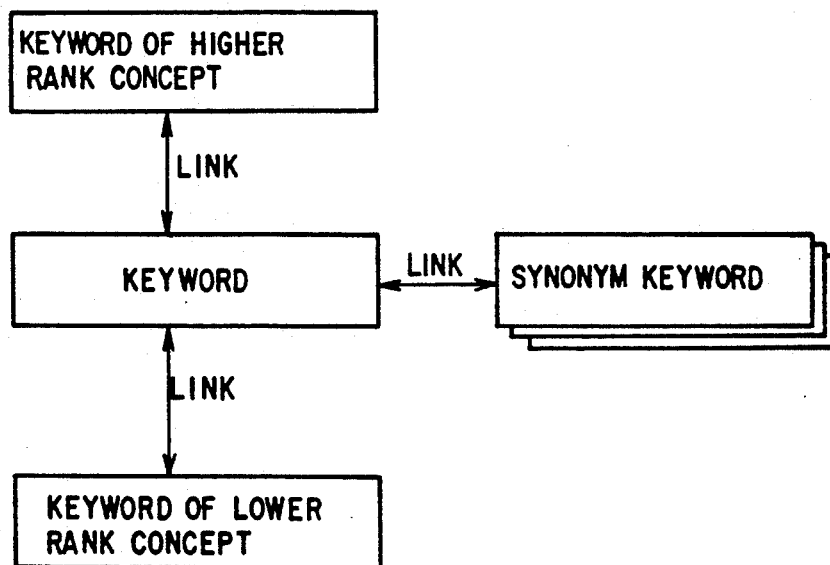


FIG. 2

STRUCTURED KEYWORD



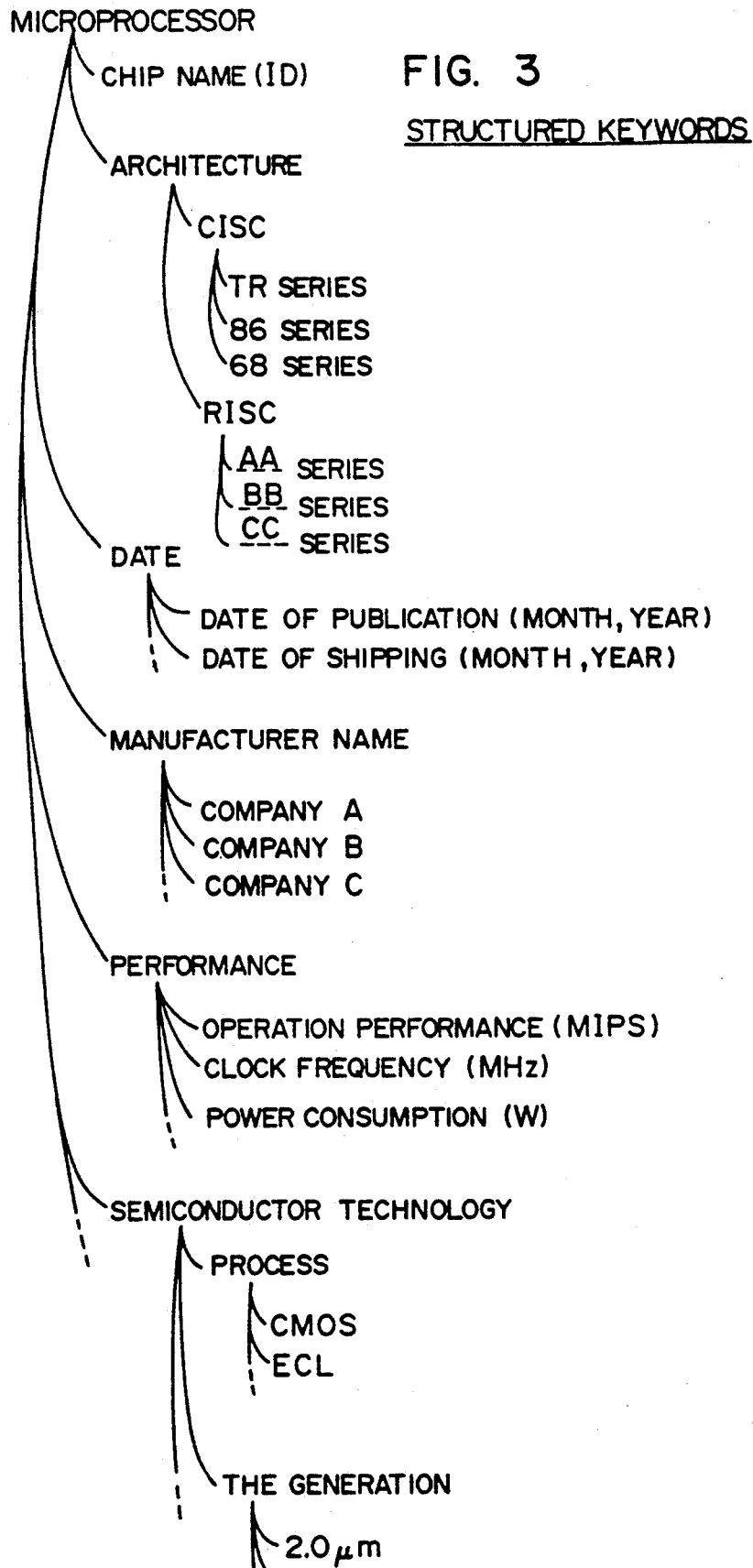
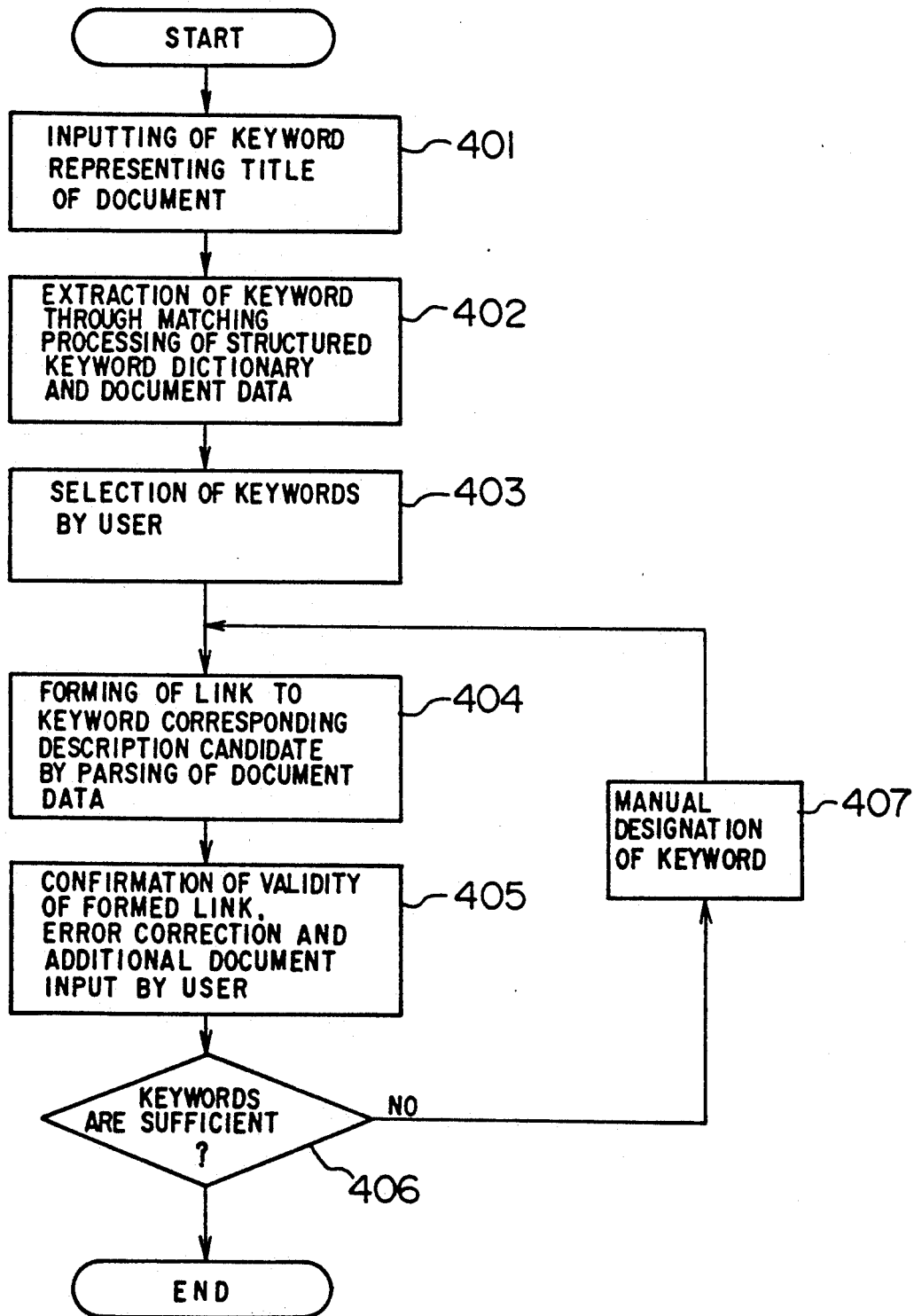


FIG. 4A



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