

(12) **United States Patent**  
**Gustman**

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(54) **METHOD AND APPARATUS FOR CATALOGUING MULTIMEDIA DATA**

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(73) Assignee: **Survivors of the Shoah Visual History Foundation, Los Angeles, CA (US)**

(\* ) Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

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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(21) Appl. No.: **09/184,921**

(22) Filed: **Nov. 2, 1998**

**Related U.S. Application Data**

(63) Continuation of application No. 08/680,504, filed on Jul. 8, 1996, now Pat. No. 5,832,495.

(51) **Int. Cl.<sup>7</sup>** ..... **G06F 17/30**

(52) **U.S. Cl.** ..... **707/102; 707/1**

(58) **Field of Search** ..... **707/102, 1**

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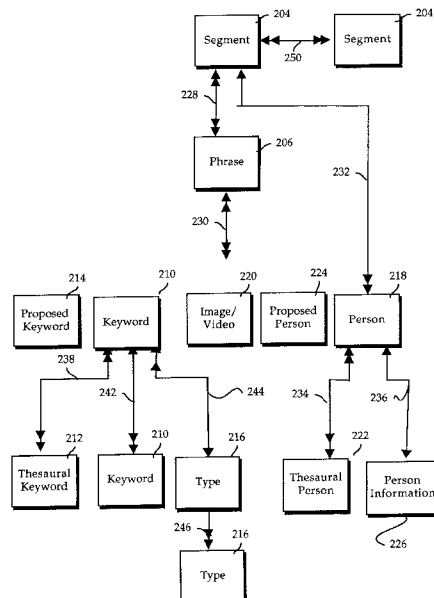
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(57) **ABSTRACT**

The invention catalogues data such as multimedia data. A catalogue is a collection of one or more catalogue elements. An index is used to access a catalogue. An element of a catalogue has one or more attributes. An attribute provides information that can be used to search for, answer questions about, and navigate through a catalogue. An attribute of a catalogue element can be an element that has attributes. A catalogue element attribute that is an element is referred to as an attribute element. Attribute elements and attributes are used to build an index that can be used to facilitate catalogue access. Within a catalogue, smaller catalogues can be created by, for example, querying and user designation.

**18 Claims, 34 Drawing Sheets**



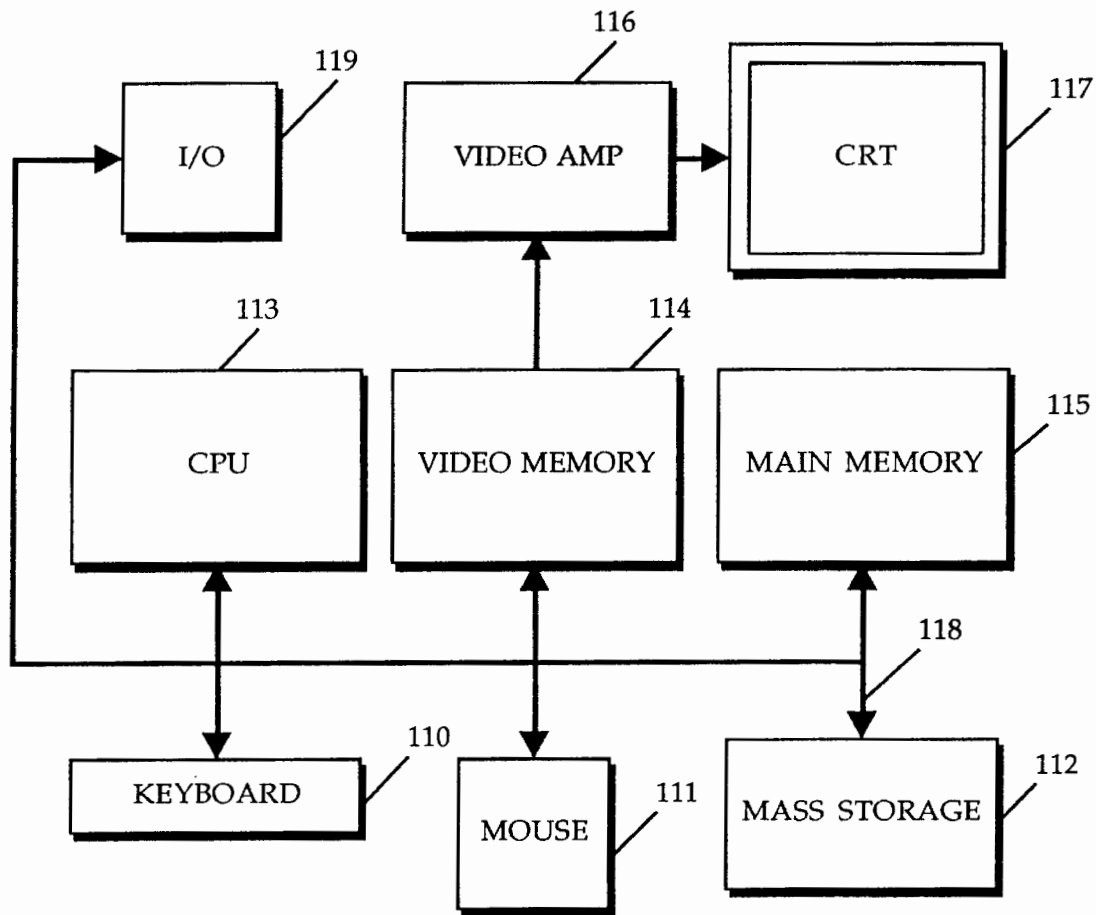


FIG. 1

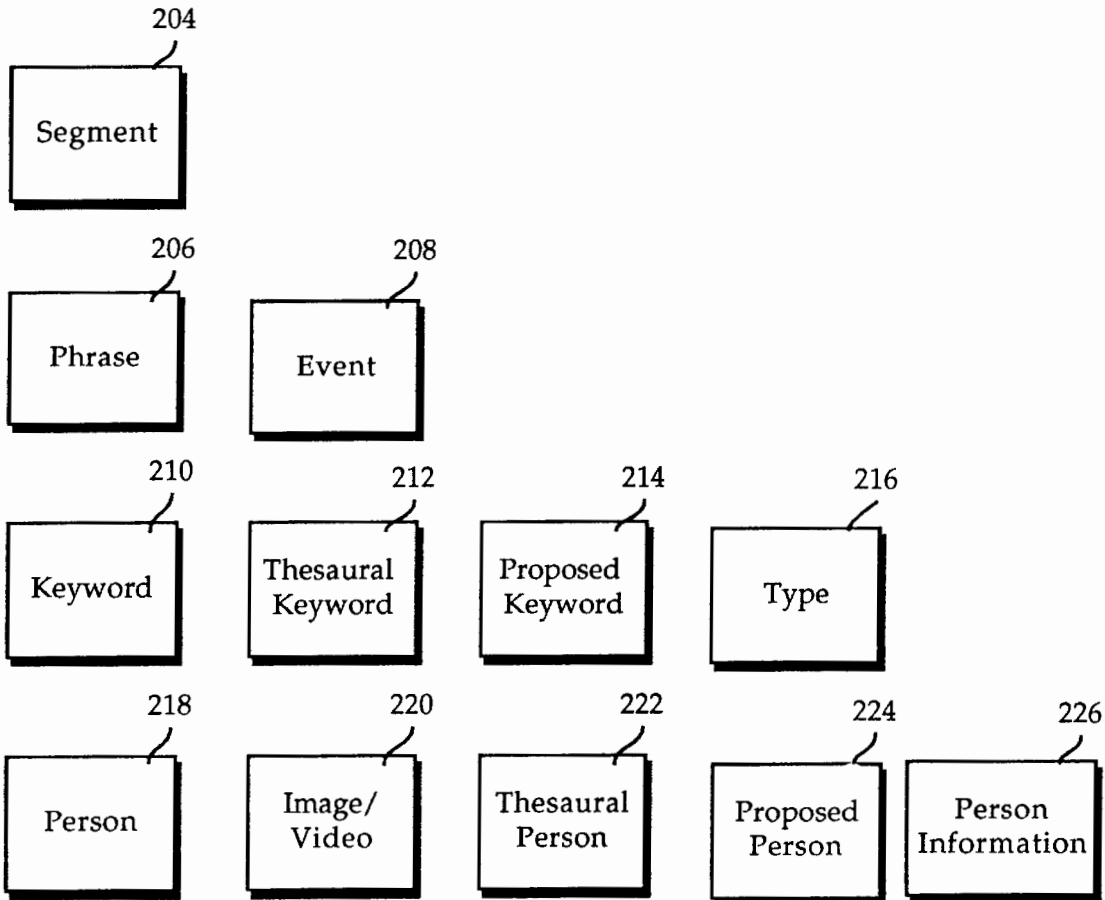


FIG. 2A

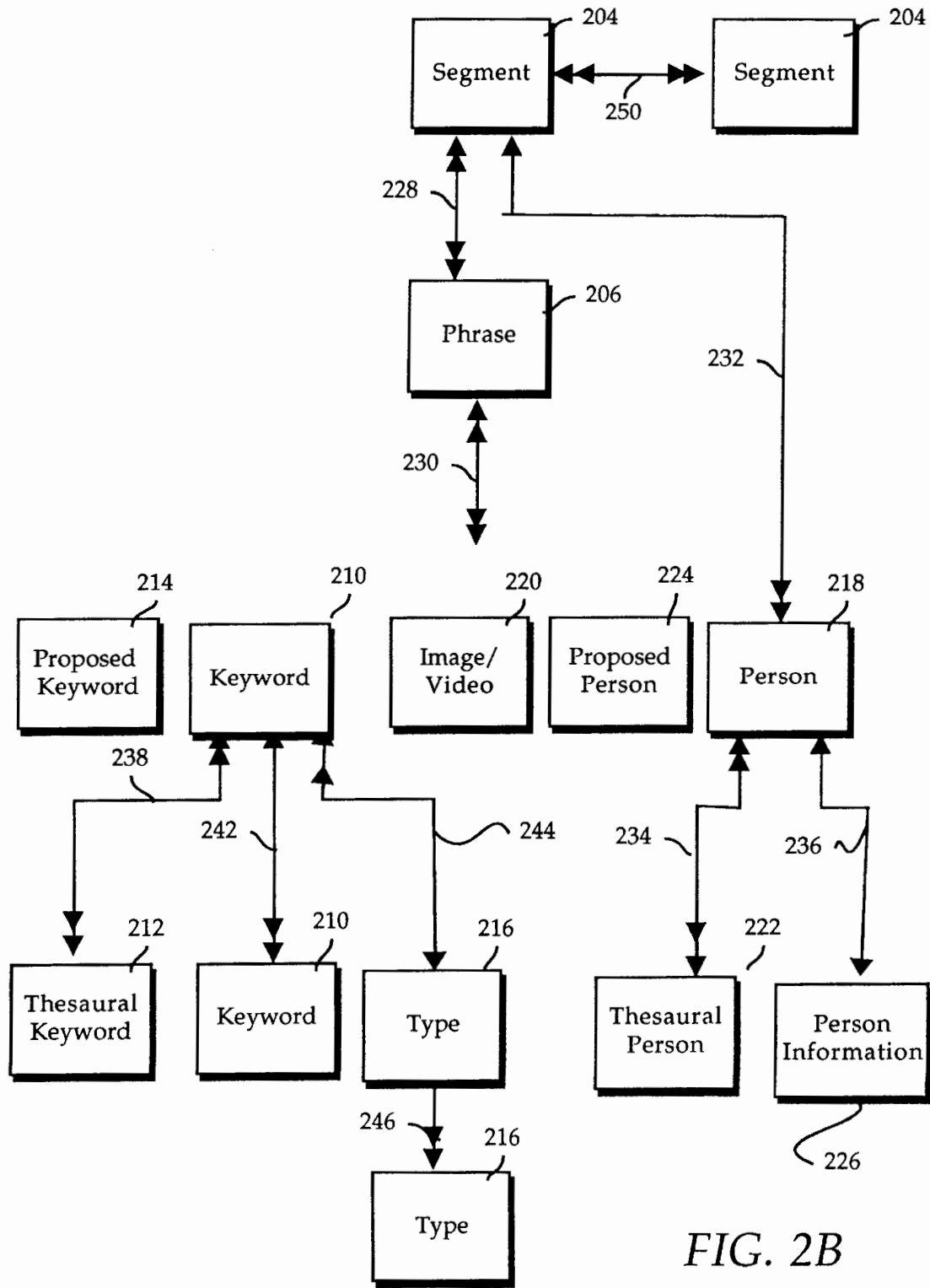
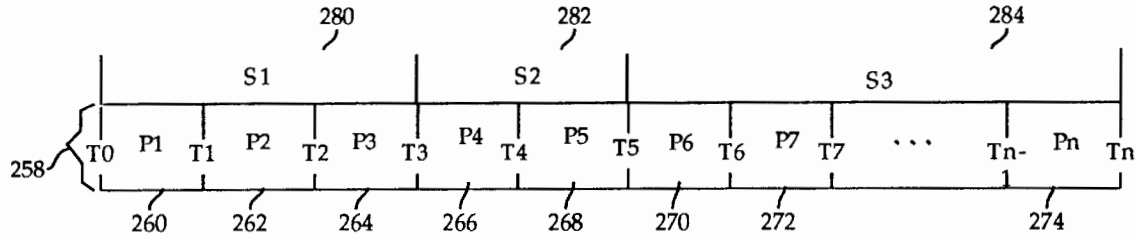


FIG. 2B



$$\text{Chapter Segment} = \begin{cases} P1 + P2 + P3 \\ P4 + P5 \\ P6 + P7 + \dots + Pn \end{cases}$$

$$\text{Testimony Segment} = S1 + S2 + S3$$

$$\text{General Segment} = P1 + P4 + P5 + P6 + Pn$$

FIG. 2C

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