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Feinberg

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[54] **STORING PERSONAL MEDICAL INFORMATION**

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[52] **U.S. Cl.** **283/72**; 283/900; 283/81; 283/67; 379/93.01; 379/52; 379/106.02; 235/494; 128/904

[58] **Field of Search** 283/900, 81, 67, 283/72; 379/93.01, 52, 106.02; 235/494; 128/904

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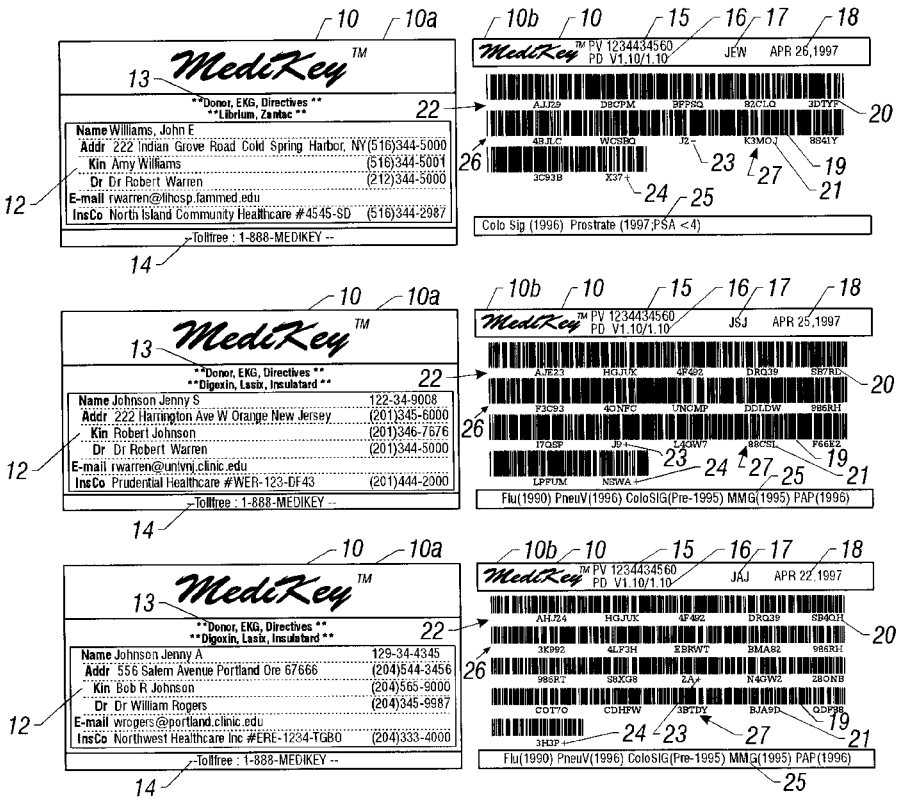
[57] **ABSTRACT**

A system and method for data compression of structured medical history information using multiple, updatable, static dictionaries in conjunction with an advanced probability-based model. The system is not a free text, word or phrase compressor as is presented in generalized or universal data compression systems. It employs a series of static dictionaries consisting of structured data developed from standardized medical classifications of disease, disorders, surgical procedures and medications. Prior probability information is utilized to achieve a high level of data compression of multiple data items at a time. The dictionaries are designed for flexible updating, efficient storage and retrieval, and data integrity. A portable medical card may be imprinted with the compressed medical information.

26 Claims, 13 Drawing Sheets