

6. The subject matter of claim 1 wherein said human readable characters are selected from a group of alphanumeric characters selected to reduce misreading of said alphanumeric characters.

7. The subject matter of claim 1, wherein the tangible medium comprises a portable medium surface containing the first and second portions, and wherein the human readable characters can be displayed in the first portion on the portable medium surface as separate lines composed of a fixed number of groups of a fixed number of characters.

8. The subject matter of claim 7 wherein each group of characters incorporates error-checking information.

9. The subject matter of claim 1 wherein said human readable characters are arranged in a prioritized sequence.

10. The subject matter of claim 1 further comprising a translator for receiving and decompressing the sequence of human readable characters and displaying the patient's medical information in human readable form.

11. The subject matter of claim 10 wherein said sequence of human readable characters is received by said translator as a human voice over a telephone line.

12. The subject matter of claim 10 wherein said sequence of human readable characters is received by said translator digitally over a telephone line.

13. The subject matter of claim 1, wherein the multiple updateable static dictionaries comprise structured classifications of medical data codes.

14. The subject matter of claim 1, wherein the tangible medium comprises a card.

15. The subject matter of claim 1, wherein the tangible medium comprises a computer screen.

16. The subject matter of claim 1, wherein the sequence is stored on a computer-readable medium.

17. The subject matter of claim 1, wherein the statistical model of prior probability information comprises combinations of medical data items organized by demographic groupings, such as the patient's demographic grouping, which can include the patient's age, sex and race, and wherein the combinations of medical data items are ordered using a weighting factor of a frequency of each combination multiplied by the number of tuples in each combination.

18. The subject matter of claim 1, wherein the computer compressed medical information in the first portion is deter-

mined from the patient's medical information encoded initially to achieve a zeroth order data compression using the multiple updateable static dictionaries by an assignment of fixed length pointers to each static dictionary data item.

19. The subject matter of claim 1, wherein the computer compressed medical information in the first portion is encoded to achieve a fourth order data compression using a statistical model of prior probability information used to assign short variable length pointers to combinations of medical data items taken one at a time, two at a time, three at a time, and four at a time.

20. The subject matter of claim 1, wherein the computer compressed medical information reduces the patient's medical history to less than 125 alphanumeric characters in the first portion.

21. The subject matter of claim 20, wherein the computer compressed medical information can be created or updated for storing the patient's medical information without special electronic, magnetic, computer memory chip, or laser media, and without any special manufacturing equipment or special manufacturing processes.

22. The subject matter of claim 20, wherein the sequence in the first portion is translatable into the patient's actual personal medical history without using a central database of patient records or online patient records.

23. The subject matter of claim 1, wherein the sequence in the first portion is encoded for privacy and security using data encryption and password protection.

24. The subject matter of claim 1, wherein the sequence in the first portion is displayed for quick and reliable entry into a computer without an electronic reader, scanner, or other special reading equipment.

25. The subject matter of claim 1, wherein the sequence in the first portion can be transmitted as corresponding signals across the Internet while maintaining privacy and security of the medical information.

26. The subject matter of claim 1, wherein the sequence in the first portion can be translated and updated by software accessed remotely by a computer connection to the Internet.

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