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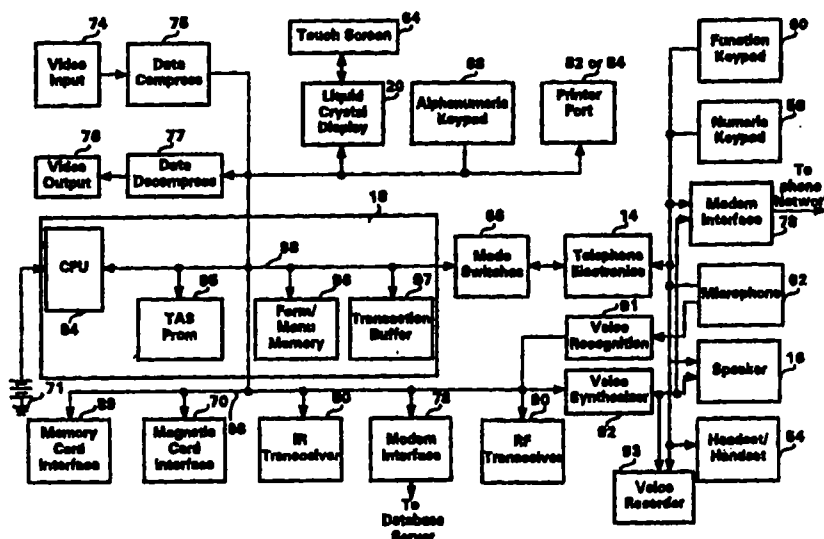


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(54) Title: DATA TRANSACTION ASSEMBLY SERVER



(57) Abstract

A form driven operating system which permits dynamic reconfiguration of any host processor into a virtual machine supporting any of a number of operating system independent applications. A data transaction assembly server (TAS 18) downloads menus and forms unique to each application requiring data to be input for processing. The data transactions and forms are exchanged between the TAS (18) and a remote processor in real-time so that virtually any operating system independent software application may be implemented in which a form driven operating system may be used to facilitate input, data input into the form may be processed, returned as a data stream, and displayed to the user. The TAS requires a flash PROM (95) for storing the TAS control firmware, a RAM (96) for storing the data streams making up the forms and menus, and a small RAM (97) which operates as an input/output transaction buffer for storing the data streams of the template and the user replies to the prompts during assembly of a data transaction. The transaction entry device (12) including the TAS (18) may be integrated with a telephone and accessed via conventional data input devices.

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