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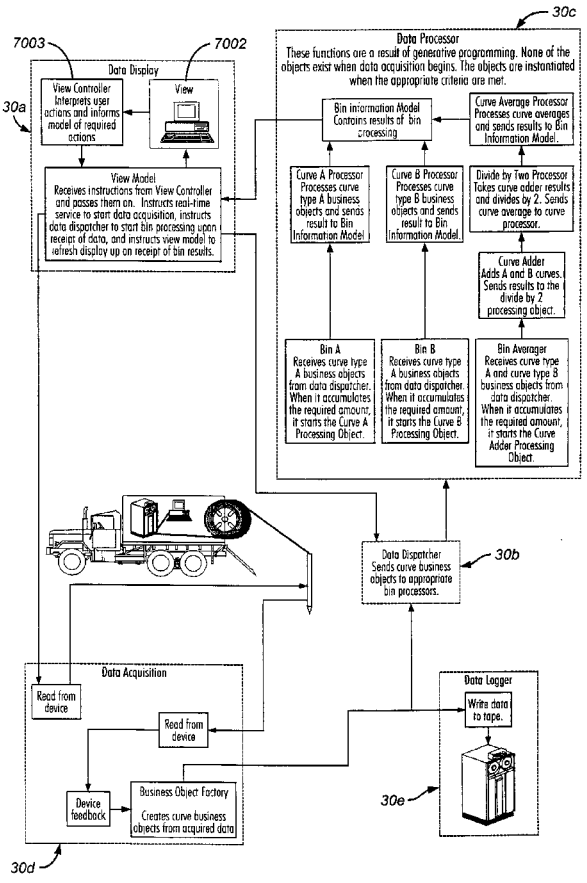
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(54) Title: OBJECT ORIENTED SOFTWARE APPLICATION WITH APPLICATION FRAMEWORK TO MODEL ASSETS OF A PETROLEUM COMPANY




(57) Abstract: A system and method for designing an extensible N-tier oil software application to model selected assets of a petroleum company is described (figure 28, 30a). The system comprises at least one processing unit; at least one memory store operatively connected to the processing unit; N-tier software executable within the at least one processing unit; an inventory of software components resident in the memory store for use by the N-tier software, each software component selectively representing one element of an oil field; an input device, operatively in communication with the processing unit; an output device, operatively in communication with the processing unit; a communications pathway operatively connected to the processing unit; and at least one tier, the tier comprising at least one software component, the tier further representing at least one element of an oil field and performing a well-defined business function (figure 28, 30d). The method comprises selecting a well component from an inventory of software components for a predetermined number of wells; selecting a log component from an inventory of software components for a predetermined number of log components; selecting a field component from an inventory of software components for a predetermined number of fields; and associating one or more well components with one or more field components and one or more log components (figure 28, 30e).

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