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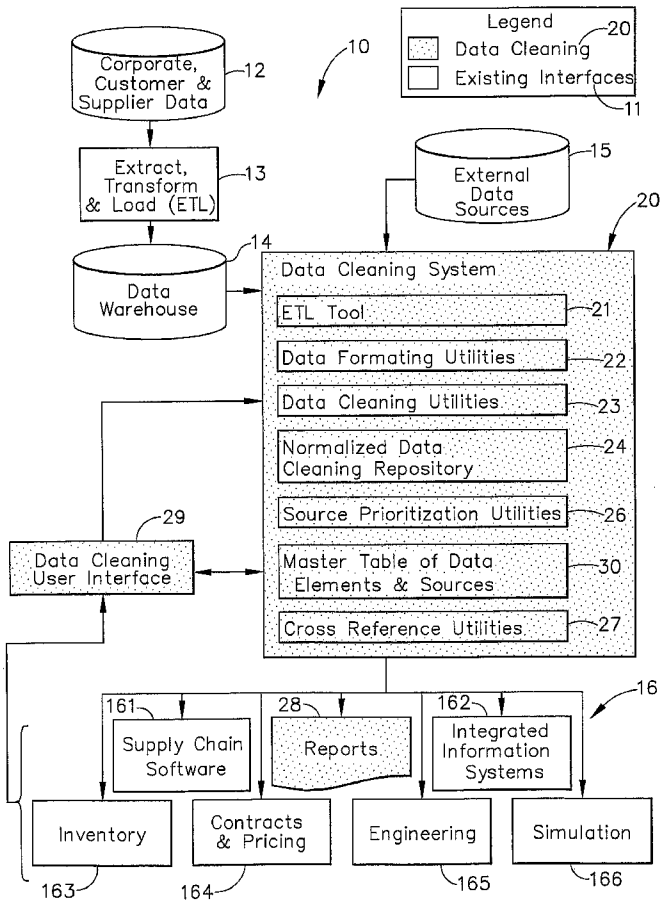
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(54) Title: ADAPTIVE DATA CLEANING



(57) Abstract: A data cleaning process includes the steps of: validating data loaded from at least two source systems; appending the validated data to a normalized data cleaning repository; selecting the priority of the source systems; creating a clean database; loading the consistent, normalized, and cleansed data from the clean database into a format required by data systems and software tools using the data; creating reports; and updating the clean database by a user without updating the source systems. The data cleaning process standardizes the process of collecting and analyzing data from disparate sources for optimization models enabling consistent analysis. The data cleaning process further provides complete auditablility to the inputs and outputs of data systems and software tools that use a dynamic data set. The data cleaning process is suitable for, but not limited to, applications in aircraft industry, both military and commercial, for example for supply chain management.

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