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ABSTRACT

INTELLIGENT PROCUREMENT AGENT

A system for managing a supply of a good based on a request for the good includes a decision support module that evaluates the request against a plurality of indicators. The decision support system also determines whether the request involves an exception in accordance with exception data. The system further includes an execution module that receives the determination from the decision support module, triggers an action that is corrective and generates an interactive output. The exception is incorporated into the exception data if the exception is of a new type, and the exception data is modified if the exception is not of the new type and has changed, to dynamically adjust the at least one of the indicators in real-time. As a result, the exception is processed and corrected to prevent interruptions in the supply chain.

(Figures 3a and 3b)