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(54) Title: SYSTEMS FOR AI-DRIVEN CREATION OF BILL OF MATERIALS

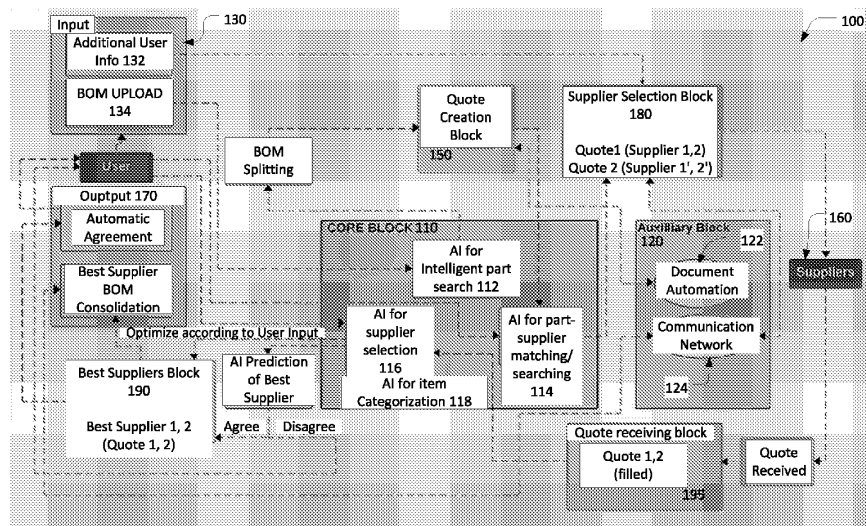


Figure 1

(57) Abstract: System for producing a curated bill of materials (BOM). The curated BOM is produced by applying a part search machine learning model to a list of specifications to determine part identifiers for one or more known parts, producing a parts recommendation comprising the part identifiers and fulfilling the specifications. A supplier matching machine learning model is applied to the parts recommendation to identify one or more suppliers. A price estimate is generated based on the supplier and parts recommendation and included in the curated BOM.

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