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(54) Title: INTERACTIVE ANALYTICS WORKFLOW WITH INTEGRATED CACHING

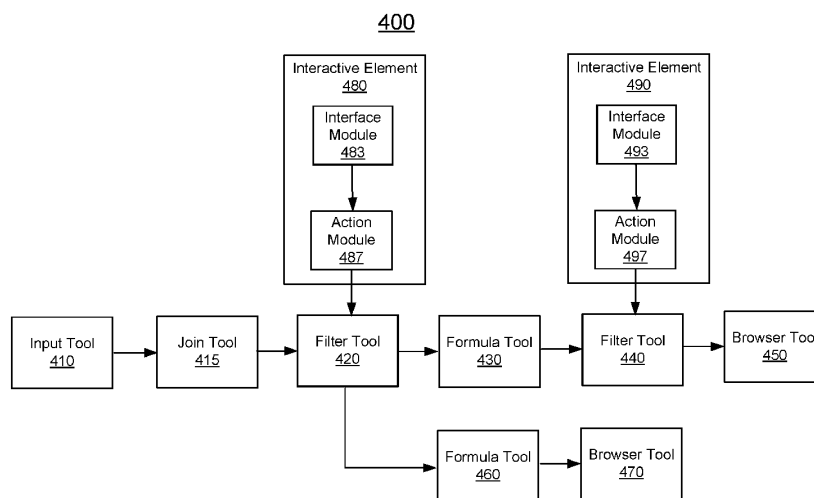


FIG. 4

(57) Abstract: A data analytics application receives a workflow that includes a sequence of tools. Each tool performs a data analytics function. The data analytics application processes a data file using the sequence of tools to generate a result item representing an outcome of the processing of the data file. The data analytics application stores one or more metadata files, each of which includes data generated by an interactive tool in the sequence during the processing of the data file. The data analytics application receives a user input through an interactive element associated with an interactive tool in the sequence. The interactive element can modify an operation of the interactive tool based on the user input. The data analytics application retrieves the metadata file for the interactive tool and processes the metadata file by using a subset of the sequence of tools and the user input to generate a different result item.

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