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(71) Applicant: **MICROSOFT CORPORATION** [US/US]; One Microsoft Way, Redmond, Washington 98052-6399 (US).

(72) Inventors: **REDDISH, Andrew Douglas**; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). **COLLE, Olivier**; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). **GRUIAN, Radu B.**; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). **ANUAR, Nizam**; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). **SARKAR, Jaideep**; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). **MITAL, Vijay**; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US).

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— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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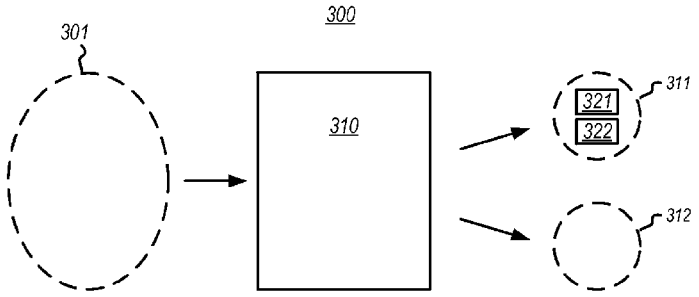


FIG. 3

(57) Abstract: The compilation a transformation chain of a recalculation user interface that displays an electronic canvas that contains one or more displayed result of a transformation chain. The transformation chain includes transforms between a respective data source and data sink. User editing of the recalculation user interface could cause one or more of the transforms to be re-executed, thereby causing recalculation. The compilation involves analyzing the transformation chain of the recalculation user interface for dependencies to create a dependency graph of dependencies between entities. For instance, some dependencies might be between entities so as to indicate that if one entity is evaluated, then the other should be also. The dependency graph is then used to create a lower level of execution steps. The dependency graph is further provided to a runtime for the program, so that the dependency graph may be available during operation of the recalculation user interface.

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