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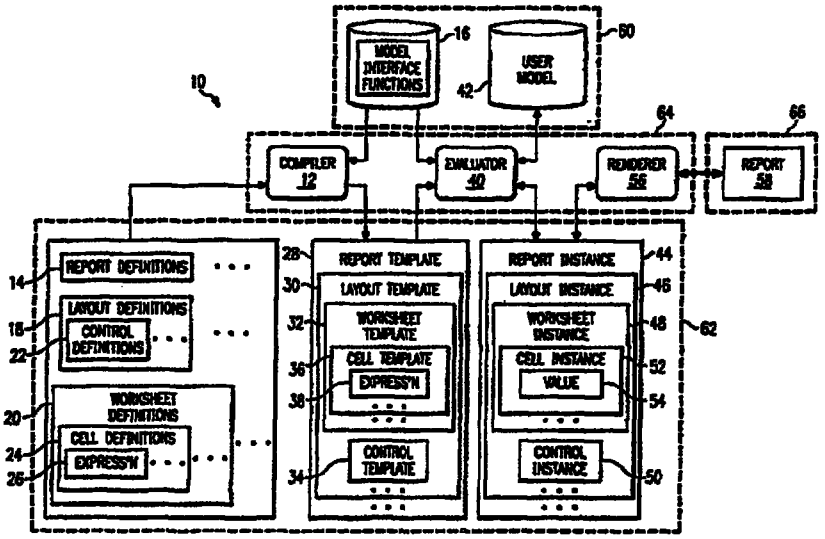
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(54) Title: INTERACTIVE REPORT GENERATION SYSTEM AND METHOD OF OPERATION



(57) Abstract

A computer software system (10) is provided. The computer software system (10) includes a compiler (12) operable to receive a worksheet definition (20) and to access a plurality of model interface functions (16). The worksheet definition (20) is named and parameterized and comprises a plurality of cell definitions (24) each defining a model-independent expression (26). The compiler (12) is further operable to generate a worksheet template (32) comprising a plurality of cell templates (36) each defining a model-dependent expression (38). An evaluator (40) is operable to receive the worksheet template (32) and a parameter expression. The evaluator (40) is further operable to access the plurality of model interface functions (16) and a user model (60). The evaluator (40) is operable to evaluate the parameter expression and the model-dependent expressions (38) in the worksheet template (32) and is operble to generate a worksheet instance (48) containing a plurality of cell instances (52) defining model-specific values (54).