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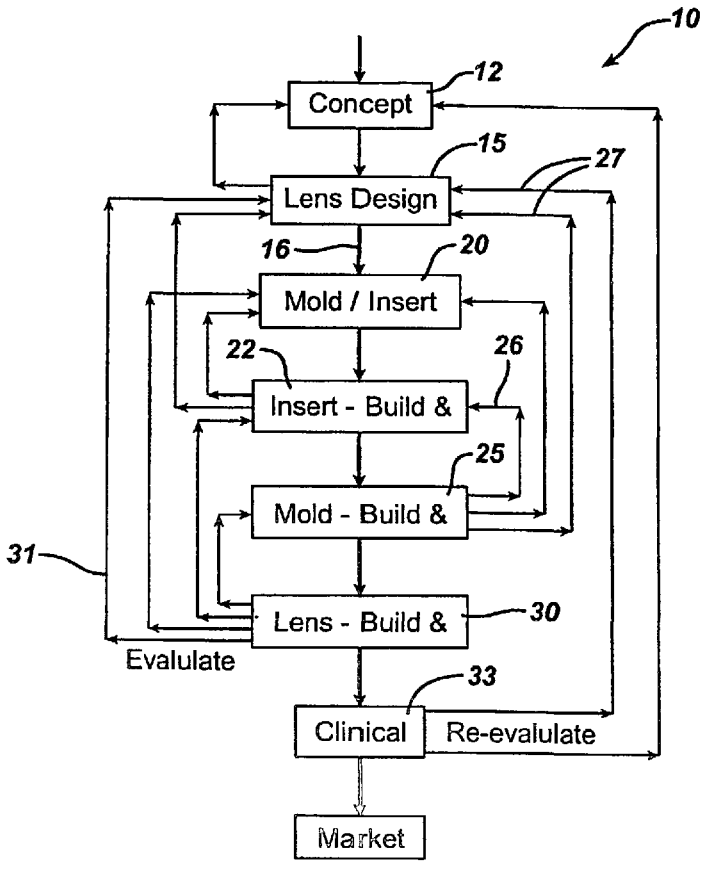
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(54) Title: DESIGN BUILD TEST CYCLE REDUCTION



(57) Abstract: An ophthalmic lens design and modeling system comprises a user interface providing functionality for generating a template associated with a desired lens design to be manufactured, the template comprising design information sufficient for generating three-dimensional (3D) models of lens, and 3D models of associated components required for lens manufacture in an ophthalmic lens manufacturing system. The system further includes functionality for generating and/or specifying linking information, via the user interface, that governs the physical behavior of lens design features included in said template in accordance with one or more process parameters affecting lens manufacture and manufacture of associated components in an ophthalmic lens manufacturing system. The use of the template and design and linking information therein thus facilitates rapid lens modeling and lens manufacturing operations with greater accuracy, thereby reducing lens design build and test (DBT) cycle time.

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