DATA MANAGEMENT SYSTEM AND METHOD FOR CONCURRENT ENGINEERING

ABSTRACT

A design control system for use in design of integrated circuits and other manufacture having many parts which need to be developed in a concurrent engineering environment with inputs from users and or systems located anywhere in the world providing control information for coordinating movement of the design information through development to release while providing dynamic tracking of elements, and bills of materials in an integrated and coordinated control system utilizing a repository (18) implemented in the form of a database, or a flat file system. Once a model is created, control information design libraries hold the pieces of the design under control of the system without limit to the number of libraries, and providing for tracking and hierarchical designs which may traverse multiple libraries. Data Managers become part of the design team, and libraries are programmable to meet the needs of the design group they service.

Fig. 3