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(54) Title: PARAMETER BASED CONSTRUCTION

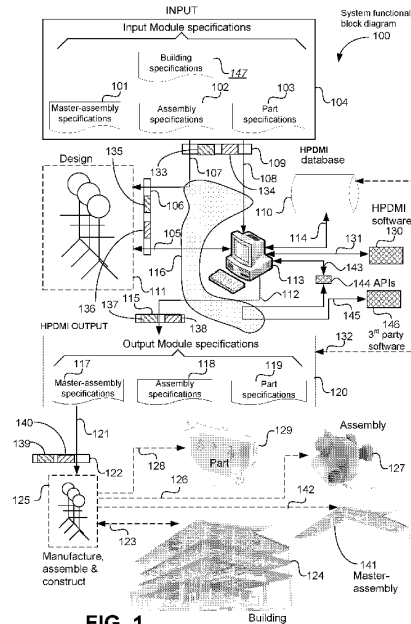


FIG. 1

(57) Abstract: A computer implemented method (900) of constructing a building (124) comprising receiving (903) an input specification (104) specifying pre-harmonisation modules (129', 127', 141') required to construct the building, said modules defined by pre-harmonisation module specifications (103, 102, 101, 147) comprising respective geometric parameters (1001, 1102, 1201) and respective attributes (1002, 1102, 1202); identifying (905) which of the pre-harmonisation module specifications are stored in a database (110), said identified pre-harmonisation module specifications having associated geometric parameters and attributes which are stored in separate sections of the database; harmonising (300, 400, 500, 600) the module specifications in the first pre-harmonisation module specifications to form a set (120) of harmonised module specifications (129, 127, 141) which specify harmonised modules which (a) substantially do not clash when they are used to construct the building (124), and (b) when assembled to form the building (124) satisfy attribute criteria specified in the input specification (104); and constructing (911) the building (124) using the harmonised module specification (120).

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