

METHOD AND SYSTEM FOR FABRICATION OF CUSTOM-MADE MOLDS AND CONCRETE – ARCHITECTURAL COMPONENTS

ABSTRACT

A method and system for design and manufacture of architectural components is disclosed. A work piece preferably made from polystyrene is shaped into a three-dimensional form of a desired configuration, preferably by using a hot-wire foam cutter followed by milling. A layer of polymer (preferably a mixture of wax and oil) is applied to the form, an architectural material (e.g. concrete, gypsum, clay, synthetic marble, etc.) is then sequentially layered onto the form, and the architectural component is then removed from the form after its initial setting. In preferred embodiments of the invention, shaping of the form and the layering of the architectural material are computer-controlled and performed while the work piece or form is supported on a movable support table.

(FIG. 2)