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The Artistic and technical effect of design self-installed glass accessories for interior architecture

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Abstract:

The system of modern architecture has a tremendous development in the materials and the accessories of architectural elements, especially the glass, and has a lot of great variety of mechanisms and installation systems, but most of these systems in the compilation and installation of the supplements were traditional to the difficulty of obtaining different alternatives to the various combinations of the shortcomings of some Implementation techniques for glass, which can contribute to the formation of aids and mechanisms for assembly and installation.

Therefore, the study sought to investigate the possibility of designing and implementing self-assembling glass accessories for interior architecture and studying the technical effect as well as studying the technical effect of the method of production by pressing. This can be done by self- installed units. This has Flexibility to be used as repeating units that can be used in many architectural elements and in a variety of design directions.

Problem of the research: Modern architecture system lacks aesthetic and functional diversity in the systems of installation of glass accessories.

Objective of the Research: To study the added values of technical and artistic effect of design and production "self- installed" glass accessories units.

Importance of the research: To enrich the internal architecture system with value added alternatives to the systems of installation and assembly of glass accessories for internal architecture.

Hypothesis of the research: (self- installed) units of glass accessories can be designed and finished to be of variable pattern from the conventional patterns with technical and artistic effect that enriches the internal architecture system.

Limitations of the research: Study of the technical and artistic effect of "self- installed " glass accessories by pressing for interior architecture

Methodology of the research: (Analytical- experimental)

The study depended on the following Axes:

- Description and classification of glass accessories
- Analytical study of some conventional patterns of installation of glass accessories.
- Methodology of design of auto installation units of glass accessories by various means of repetition.
- Experimental study for execution of models of glass self-installed glass accessories by glass pressing method.
- Artistic effect of added values of design of self-installed units of glass accessories.
- Technical effect of assembly and installation of auto installed glass accessories units.

The most important result of the research:

• Characterization and classification of glass accessories and analysis of some traditional systems.

• Design of some self- installed glass accessories with their various alternatives.

• specified the technology and methods used for the production of glass accessories by pressing and adjusting them for implementation.

• Identify, analyze and derive the most important technical and artistic affecting the production of self- installed glass accessories.

• The effect of these variables added values artistic and technically to achieve the functional and aesthetic requirements of the product of glass accessories for interior architecture.

Key Words: design –self installed- glass accessories- interior architecture.