Innovating a design methodology to produce artistic flame-work glass products

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Abstract:

Methodologies are an integrated part of the design process, the methodology is the way to reach a goal, i.e. it is a set of tools that are used to provide evidence, evidence and arguments to confirm the validity or incorrectness of a particular hypothesis, so the design methodology is an organized plan for many processes through a set of procedures that can be used for observation and investigation in order to gain knowledge, reach results and facts and develop solutions to problems. The design of artistic glass products formed by lampworking depends on the expression of the designer's sense of self-vision that tries to appear to reality in the form of a product with a variety of aesthetic values, hence the methodology of designing such products has a kind of privacy that distinguishes it from products of a user nature, and the technology of lampworking has special specifications in the methods of formation affect the methodology of designing the product to its implementation. The problem with research is that the stability and rigidity of the design systems used to develop design ideas for glass products formed by lampworking technology have reduced the diversity of products posed by lampworking locally. The aim of the research is to develop a design methodology that contributes to various innovative alternatives to the formation of new glass art products implemented by lampworking. The research assumes that the development of a design methodology achieves innovative variations for the production of artistic glass products formed by lampworking. The importance of the research lies in the fact that it contributes to the innovative lifting of the glass formation designers with flameworking technology. The research is determined by the development of a methodology for technical products formed by the flameworking. The research addressed several topics: (clarifying the methodology proposed in the design for the production of artistic products of glass formed with lampworking, the most important methods of production of glass formed by lampworking, activating the proposed design methodology in the design of models of artistic glass products, design ideas and applications for models of artistic glass products), and the research has reached some results, including: (the contribution of new design systems to the realization of diversity in the design alternatives of glass artistic products formed by lampworking, activating the self-experiment-based design methodology in the design and implementation of artistic glass products formed by lampworking).

DOI: 10.21608/JSOS.2022.144741.1241

Keywords:

 $Design\ methodology-lampworking/flameworking\ Modulation\ Methods\ and\ techniques\ -Artistic\ Glass\ Products.$