

The chair consists of smooth streamlined lines that make up the open shape of the structure. The compositional center are the points of intersection of these lines forming compositional tension. Philippe Starck uses a modern contrast - the sophisticated design of the back of the chair comes to the fore in comparison with its lower part.

Conclusion. The analysis of the great masters of design creativity from the standpoint of using compositional means of expression gives an understanding of how they work to create an original, attractive and holistic image. Such analysis contributes to the formation of the ability to logically use compositional means in own practice.

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SMART GLASS AND ITS APPLICATION IN THE INTERIOR

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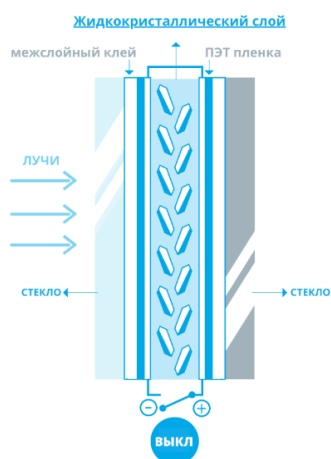
Nowadays, there is a rapid development of technologies in the design of various products, which, moreover, are replaced one after another, which in turn represents high requirements for the living environment of a person in general and the interior in particular. A designer who designs a subject-spatial environment that performs various functions strives to ensure that it meets emotional and functional requirements.

The confidentiality of indoor and outdoor spaces, as well as the protection of the interior from ultraviolet radiation are among the most important criteria in modern design.

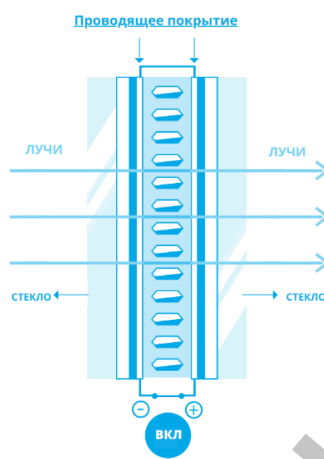
The purpose of the study is to identify the main functional and artistic characteristics of smart glass as an integral part of a modern interior.

Material and methods. The material for this study was the objects of the environment of modern interiors using innovative technologies in design. The comparative method and the analogy method are used.

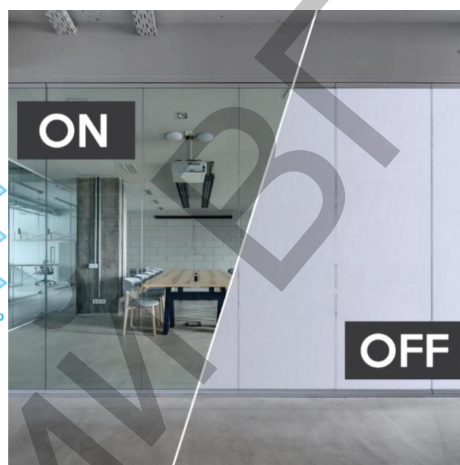
Findings and their discussion. The intelligence of smart glass is the result of its ability to change its transparency (technically called "transmission") when exposed to electrical voltage (pic. 1.). Without an applied voltage, the liquid crystals are randomly oriented and scatter the incident light. When an electrical signal is applied, the liquid crystals are oriented parallel to each other, allowing light to pass through (pic. 2.).



Picture 1. How smart film works



Picture 2. Smart glass



The degree of transparency can be controlled using the applied voltage. This is possible because at lower voltages, only a few liquid crystals are completely aligned in the electric field, so only a small portion of the light passes through while most of the light is scattered [1].

As the voltage increases, less liquid crystals are left unaligned, resulting in less light scattering. It is also possible to control the amount of transmitted light and heat when using shades and special inner layers.

A film can be applied to the glass, cut according to an artistic sketch, which, in turn, should be an integral composition, without any breaks.

Glass transparency can be controlled in a variety of ways: a stationary switch, a remote control, a smart home system, according to a schedule, by a radar (motion sensor), etc. [2].

"Smart" glasses are widely used in the automotive and aviation industries, in the manufacture of advertising products, as well as in the manufacture of partitions in offices, restaurants, medical institutions and other public spaces.

This technology makes it possible to make part of the premises or transport more private, depending on the required situation. You can also make only part of the glass partition private. Enables artistic transformation of glass partitions, leaving a logo or graphic drawing on the glass in the off mode.

Conclusion. As a result of the study, the functional and design features of smart glass were revealed. In the course of the research, it was found that the topic under consideration is closely related to such disciplines as "Construction"

and "Design-engineering", which are one of the most important disciplines in training specialists in the field of design-engineering of the subject-spatial environment surrounding a person.

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BIOMYMICRY IN DESIGN

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Over millions of years, nature has created and consistently improved its creations, which allowed organisms and entire systems of organisms to develop adaptive characteristics that allow them to survive in a particular environment. Evolution has polished nature by developing certain features, mechanisms, patterns and strategies for survival.

Thanks to modern technology, it is possible to observe and analyze biological functions, structures and principles that have been discovered in nature by biologists, chemists, materials scientists, designers, architects, and engineers. Observing the function, then the mechanisms by which the function is carried out, creates a whole direction in industrial design [1]. This approach makes it possible to find original solutions for creating harmonious mass-produced products with high technical and mechanical characteristics necessary for solving a certain range of problems. Biomimicry is a new scientific direction, which is designed to draw technological and engineering ideas from nature [2].

Purpose – to consider the influence of biomimicry on the modern approach to the design of environmental objects.

Material and methods. To realize the goal of the study, the work used the analysis of scientific literature and the creative work of engineers and designers. The methods of systematization, analysis and generalization of data were used.

Findings and their discussion. Already in the early stages of development, primitive man paid attention to natural phenomena and imitated them. This experience of mimesis was expressed in the general syncretic approach of the entire primitive society. The syncretic nature of human consciousness was reflected in his artistic activity: the creation of tools, amulets and charms, household utensils. Thus, all the activities of primitive people are identified with everything that they saw and analyzed around them.

Today, a person, by virtue of his intellectual and technical resources, is able to revise the methods and methods of studying nature, which allows him to create wear-resistant, high-tech and ergonomic products. So, by the middle of