Contemporary view for upholstery and curtain jacquard fabrics matching with woven hanging design

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Abstract
Fabric designing process in general and upholstery and curtain jacquard fabrics designing in particular is the complete plan for structuring a whole weaved product which can compete in international and local market alike though there is no obvious difference between both markets in the light of free market and lift of importing restrictions. In such conditions, there is no protection for the local product which has to compete with the imported product regarding quality, price and fashion.

Therefore, fabric designer in general and jacquard fabric designer and woven hanging in particular has to develop his creative abilities to add new and special aspects to his product regarding form and function in which he has to use all the available recent technological methods in the designing operation. It is also important to use different sciences such as mathematics, physics and chemistry as well as humanities, history and social sciences which allows designer to possess creative abilities to design a weaved product that we might call creative product.

The design of the form is one of the most important elements of the primary design process for the upholstery and curtain jacquard fabrics and woven hanging matching with it which the designer has to know as the design of the decorated form of the jacquard fabric and woven hanging to do a close matching together is the complete plan to constitute decorative units and its distribution in the form according to the basics of the design and depending on its different elements. The design plan depends on the designer's ability to innovate as the good design that is built on scientific basis is the base of any successful piece of art.
Plastic Basics for Designing Repeat in Designing upholstery and curtain Jacquard Fabrics:

Forming a repetition of the upholstery and curtain jacquard fabrics design inside geometrical shape either square or triangle as ornament unit is distributed inside this geometrical shape specified before on the aforementioned basis of distributing the ornament unit in the upholstery and curtain jacquard fabrics.

In such form, the ornament unit and colours is connected and related to other surrounding units and spaces in a correct connection. It also considers connection between design repeating units to each other in a continuous and correct connection without causing any break of these units in the design. To secure such condition, one can divide the space of the design to a number of vertical, horizontal and inclined lines as well as some circular and arc lines which can work as a guide of balance during the repetition of the ornament units and colours inside the whole spare of the design.

Plastic basics for designing woven hanging:

Forming of the woven hanging design need a good experience to insert a close relation inside geometrical shape (outside frame of design). It is important to know how the design elements, motifs and colours are distributed inside this geometrical shape specified before on the aforementioned basis of distributing the ornament unit and colours and shadows in the woven hanging.

In such form, the ornament unit, colours, textures and shadows is connected and related to other surrounding units and spaces in a correct connection. It also considers connection between design elements to each other in a continuous and correct connection without causing any unbalance of these elements in the design. To secure such condition, one can divide the space of the design to a number of vertical, horizontal and inclined lines as well as some circular and lines which can work as a guide of balance during the insertion of the ornament units, colours, textures and shadows inside the whole spare of the design.

Comparison between units and repetition in the design of upholstery and curtain jacquard fabrics:

Ornament unit repetition in the upholstery and curtain jacquard fabrics is the complete unit that is based on scientific methods while designing it which would consider all the design factors without breaching any of its scientific bases. Beside these scientific methods, the designer of upholstery and curtain jacquard fabrics has to consider the technical operation of the weaving loom on which such design would be carried out according to will of the designer concerning the power of the jacquard M/C., the applied method and the chosen specifications for the design. On the other hand, the ornament unit is the artistic form chosen by the designer to be repeated in the specified space of the design. It represents the width & height of the repetition in centimetre and is specified according to the aforementioned known design aesthetic factors and executive abilities.

There are many known methods of distribution which the designer uses during the creating process of designing the upholstery and curtain jacquard fabrics. This study attempts at creating a mathematical method which might help the designer in the creative process of designing upholstery and curtain jacquard fabrics.

Matching between the upholstery and curtain jacquard fabrics and woven hanging:

It is important to do matching between the upholstery and curtain jacquard fabrics and woven hanging speciality which has been at the same place that is added a new aesthetical value to the fabrics design that is looked much better because that add anew unique for the fabrics. The matching has done during the cooperation of motifs, colours, shadows and the methods of designing processes. Addition that the area for the woven hanging it is closed with the surrounding space area.
Upholstery design
Upholstery design
Inspiration the design motifs and colours:

The designer have his inspired from Egypt heritage and culture and have formatted it on the modern form to create a contemporary design so he is used some pharaohs. Coptic and Islamic motifs you can see it obviously if you visit the Egyptian museum, Coptic art museum and Islamic art in Cairo.
The designer have been could mixing between a lot of art at the same design for upholstery and curtain jacquard fabrics either for woven hanging and have succeeded to obtain a creativity pattern and have done wonderful matching between it.

The specification for upholstery and curtain jacquard fabric designs

1- The repeat specification :
   A- width of all designs 18.18 cm
   B- height of all design is different as the design form but the maximum height is 18.18 cm
   C- the colours as the design form

2- warp specification for the raw fabrics :
   A- Count 150/1 polyester
   B- 66 yarn/cm on the loom
   C- Reed 11 dent / cm
   D- Sleying 6 yarn / dent
   E- number of colours depends on the design colours and executive methods which is selected for the design form and the end using
   F- the woven structure between normal structure (plain, twill, stain...ext) and is mixed between normal and combine woven structure for success the upholstery and curtain jacquard fabric designs building

3- weft specification for the raw fabrics :
   A- Count 30/2 cotton
   B- 28:32 picks / cm on the loom suit with executive methods which is selected for the design form and the end using

   C- number of colours depends on the design colours and executive methods which is selected for the design form and the end using

loom:

Electronic jacquard loom have 2668 hooks and weft selector for 8:12 colours

The specification for woven hanging designs

The designs form has matched with previous upholstery and curtain jacquard fabric designs

The techniques which is used for build the woven hanging design that is hand woven by tapestry technique (goblin techniques). The materials is cotton for the warp, and natural wool but with high counts and colours, shadows and textures as the design form.
Results and discussion

1. The designer discovered created anew methods and techniques rule which would help the designer to have a better chance to get innovated designs.

2. The designer discovered created anew innovation patterns for upholstery and curtain jacquard fabrics.

3. The designer discovered created anew innovation designs woven hanging matching with the previous upholstery and curtain jacquard fabrics pattern.

4. The designer study of use the Egyptian heritage (pharaoh art. Coptic art. Islamic art) discovered created anew innovation patterns for upholstery and curtain jacquard fabrics matching with anew innovation woven hanging designs according to contemporary vision.

5. Adding new method to the familiar known methods used by the designer in distributing his ornament units during the innovation process of a repeating design for jacquard fabrics.

6. The design of fabric that is based on mathematical law makes the design more balanced.

7. By applying the aim of designer through out the former patterns, the research resulted in getting a big number of designs by using the same ornament units which is proved on the success of the research.

8. The importance of specifying and unifying the direction of distributing ornament units in the repeating design to avoid repeating the same pattern which might confuse the designer which is clear in the first experiment of the research.
Hanging woven design
Hanging woven design
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