The present application is directed to a soft chair cushion including: a fixation plate comprising an inner cavity; an air passage opening disposed on a side of the inner cavity; a soft pad including a wrapping layer; an elastic layer wrapped by the soft pad and comprising a spring frame and a plurality of springs installed on the spring frame; a fixing strap disposed between the springs; and a soft layer wrapped by the soft pad and disposed on a top of the elastic layer.
SOFT CHAIR CUSHION

TECHNICAL FIELD

[0001] The present application relates to a chair cushion. In particular, it relates to a soft chair cushion.

BACKGROUND

[0002] Chairs are extensively used at work, school and different spheres of daily life, earning recognition and popularity of the public. Most chair cushions are manufactured by disposing a soft layer on the top of a fixation plate, and wrapping the fixation plate and the soft layer through a wrapping layer. The disadvantage is that the breathability between the fixation plate and the soft layer is unsatisfactory, causing discomfort during summer time when the temperature is intolerably high.

SUMMARY

[0003] The present application aims at overcoming the deficiency of the prior art, and provides a soft chair cushion that has improved breathability and flexibility.

[0004] The present application is directed to a soft chair cushion including:

[0005] a fixation plate comprising an inner cavity;
[0006] an air passage opening disposed on a side of the inner cavity;
[0007] a soft pad including a wrapping layer;
[0008] an elastic layer wrapped by the soft pad and comprising a spring frame and a plurality of springs installed on the spring frame;
[0009] a fixing strap disposed between the springs; and
[0010] a soft layer wrapped by the soft pad and disposed on a top of the elastic layer.

[0011] The soft layer may be made of soft polyurethane foam.

[0012] The spring frame may include a plurality of bolts connected to the fixation plate.

[0013] The chair cushion may further include a "#" shaped strengthening rib disposed in the cavity.

[0014] The chair cushion may further include an installation cavity disposed on a bottom of the fixation plate and configured for installing a supporter.

BRIEF DESCRIPTION OF THE DRAWINGS

[0015] FIG. 1 is the front view of the soft chair cushion of an embodiment of the present application;
[0016] FIG. 2 is the sectional view of the A-A section in FIG. 1;
[0017] FIG. 3 is the enlarged view of the portion annotated with "I" in FIG. 2.

DETAILED DESCRIPTION

[0018] The soft chair cushion according to the embodiments of the present application will be described below in detail with reference to the drawings.

[0019] The soft chair cushion in FIGS. 1, 2 and 3 includes a fixation plate 5 and a soft pad 3. An inner cavity 10 is disposed at the fixation plate 5. An air passage opening 13 is disposed on a side of the inner cavity 10. The soft pad 3 includes a wrapping layer 4 wrapping an elastic layer 12 and a soft layer 11. The elastic layer 12 includes a spring frame 1 and a plurality of tensioned springs 2 installed on the spring frame 1. A fixing strap 14 is disposed between the springs 2. The soft layer 11 is disposed on the top of the elastic layer 12. The soft layer 11 is made of soft polyurethane foam.

[0020] The spring frame 1 includes a plurality of bolts 6 connected to the fixation plate 5.

[0021] "#" shaped strengthening ribs 9 are disposed in the inner cavity 10.

[0022] An installation cavity 8 is disposed on a bottom of the fixation plate 5 and is configured for installing a supporter. The fixation plate 5 includes bolts holes 7 for connection with the supporter by means of bolts.

[0023] The advantages of the present application lie in enhanced breathability through configuring an inner cavity in the fixation plate, and enhanced softness through the soft layer and the elastic layer. The elastic layer is composed of the spring frame and the plurality of tensioned springs installed on the spring frame. The soft layer is disposed on the top of the elastic layer.

What is claimed is:

1. A soft chair cushion comprising:
   a fixation plate (5) comprising an inner cavity (10);
   an air passage opening (13) disposed on a side of the inner cavity (10);
   a soft pad (3) comprising a wrapping layer (4);
   an elastic layer (12) wrapped by the soft pad (3) and comprising a spring frame (1) and a plurality of springs (2) installed on the spring frame (1);
   a fixing strap (14) disposed between the springs; and
   a soft layer (11) wrapped by the soft pad (3) and disposed on a top of the elastic layer (12).

2. A chair cushion according to claim 1, wherein:
   the soft layer (11) is made of soft polyurethane foam.

3. A chair cushion according to claim 1, wherein:
   the spring frame (1) comprises a plurality of bolts (6) connected to the fixation plate (5).

4. A chair cushion according to claim 1, further comprising:
   a "#" shaped strengthening rib (9) disposed in the cavity (10).

5. A chair cushion according to claim 3, further comprising:
   a "#" shaped strengthening rib (9) disposed in the cavity (10).

6. A chair cushion according to claim 1, further comprising:
   an installation cavity (8) disposed on a bottom of the fixation plate (5) and configured for installing a supporter.

7. A chair cushion according to claim 3, further comprising:
   an installation cavity (8) disposed on a bottom of the fixation plate (5) and configured for installing a supporter.

8. A chair cushion according to claim 4, further comprising:
   an installation cavity (8) disposed on a bottom of the fixation plate (5) and configured for installing a supporter.