

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) An apparatus for controlling a three-dimensional optical field, comprising:
a light-emission device emitting a light; and
a set of zoom elements disposed in front of the light-emission device, and focusing the light from the light-emission device, wherein the light-emission device has a plurality of portions, each of which corresponds to a single one of the set of zoom elements, the set of zoom elements comprise a plurality of first zoom elements, and each of the set of zoom elements includes a liquid lens.

2. (Canceled)

3. (Original) An apparatus as claimed in Claim 1, further comprising a second zoom element disposed in front of the set of zoom elements.

4. (Original) An apparatus as claimed in Claim 1, wherein the light-emission device is one of a plane light source and a set of light-emission units.

5. (Original) An apparatus as claimed in Claim 4, wherein each of the light-emission units comprises one selected from a group consisting of an LED, an incandescent lamp, a mercury lamp, a halogen lamp and a tritium light.

6. (Original) An apparatus as claimed in Claim 4, wherein the set of zoom elements have a portion corresponding to a single one of the set of light-emission units.

7. (Canceled)

8. (Currently amended) An apparatus as claimed in Claim 1, wherein each of the set of zoom elements further includes ~~one selected from a group consisting of a liquid lens, a solid lens and a combination thereof.~~

9. (Currently amended) An apparatus for controlling a three-dimensional optical field, the apparatus comprising a set of zoom light sources, wherein the set of zoom light sources include a plurality of zoom light units, each of which includes a light-emission unit and a first zoom element disposed in front of the light-emission unit, and the first zoom element includes a liquid lens.

10. (Currently amended) An apparatus as claimed in Claim 9, wherein the first zoom element further includes ~~one selected from a group consisting of a liquid lens, a solid lens and a combination thereof.~~

11. (Original) An apparatus as claimed in Claim 9, wherein the light-emission unit comprises one selected from a group consisting of an LED, an incandescent lamp, a mercury lamp, a halogen lamp and a tritium light.

12. (Original) An apparatus as claimed in Claim 9, wherein each of the zoom light units comprises a plurality of light-emission units, and the first zoom element is a single zoom element.
13. (Original) An apparatus as claimed in Claim 9, wherein the first zoom element further comprises a plurality of zoom elements, and the light-emission unit is a single unit.
14. (Original) An apparatus as claimed in Claim 9, further comprising a second zoom element disposed in front of the first zoom element.
15. (Currently amended) A method of controlling a three-dimensional optical field, comprising steps of:
providing a plurality of zoom light units, each of which has a respective light intensity, ~~[[and]]~~ a respective focal length and a liquid lens; and
controlling the three-dimensional optical field by adjusting the respective light intensity and the respective focal length.
16. (Original) A method as claimed in Claim 15, wherein a two-dimensional light shape is controlled by a variation of an intensity of the plurality of zoom light units, and a focal plane at a light axis is controlled by a zooming action of the zoom light units, so as to control the three-dimension optical field.
17. (Currently amended) A method as claimed in Claim 15, wherein each of the plurality of the zoom light units further includes ~~one selected from a group consisting a liquid lens, a solid lens and a combination thereof.~~

18. (Original) A method of as claimed in Claim 15, further comprising a step of providing a second zoom light unit in front of the plurality of zoom light units.

19. (Original) A method as claimed in Claim 15, wherein the zoom light units comprise a plurality of light-emission units.

20. (Original) A method of as claimed in Claim 15, wherein each of the zoom light units comprises a light source, and the light source is a single light-emission unit.