

AMENDMENTS

Amendments to the Claims

This listing of claims will replace all prior versions and listing of claims in the application.

Complete Listing of Claims:

1. (Currently amended) An apparatus for controlling a three-dimensional optical field, comprising:

a light-emission device emitting a light for projecting [[a]]an original light shape; and

a set of zoom elements disposed in front of the light-emission device, and focusing the light emitted from the light-emission device and along a light axis, and passing therethrough to project the light onto an external object, wherein:

the light-emission device has a plurality of portions, and 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;[[,]]

the external object has ~~an uneven surface~~ a first and a second portions which are separated by a specific distance along the light axis;[[,]] and

the light passing through the set of zoom elements is projected onto ~~the uneven surface~~ the first portion to form a first sub-shape on the first portion and projected onto the second portion to form a second sub-shape on the second portion, the first and the second sub-shapes form a combined light shape when observed along the light axis, and maintains the combined light shape has a contour essentially free from a distortion ~~on the uneven surface.~~

2. (Cancelled)

3. (Previously presented) An apparatus as claimed in Claim 1, further comprising a plurality of second zoom elements respectively disposed in front of the plurality of first 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.-26. (Cancelled)

27. (New) An apparatus as claimed in Claim 1, wherein the first and the second sub-shapes have a first and a second illuminations respectively, and the first illumination is essentially identical to the second illumination.

28. (New) An apparatus as claimed in Claim 1, wherein the combined light shape is essentially identical to the original light shape.