

the two light guide plates forming, e.g., the cross shape at the light guide section are overlapped, a part of the light reflected in a multiple number inside one of the light guide plates is outputted upon further multiple reflection inside the other light guide plate after entered into the other light guide plate overlapped adjacently with the one light guide plate. That is, the light of the light source entered from the incident surface of the light guide plate is diffused as diffused light. Accordingly, the light can be recognized as the good light source having few differences between brightness and darkness without making the viewer dazzling feeling.

[0098]

10 The illumination device 2 through the illumination device 6 as set forth in claim 2 have a feature that the outputting surface of the light guide section 110 through the light guide section 150 is formed with a recess or projecting pattern for outputting the light of the light source section 30 as diffused light. The illumination device 2 through the illumination device 6 as set forth in claim 3 have a feature that the light guide section 110 through the light guide section 150 as set forth in claim 2 are formed with one or more of the outgoing surface. According to the illumination device 2 through the illumination device 6 as set forth in claim 2 and claim 3, by forming the recess or projecting patterns on the major surface of the light guide plate formed at the light guide section 110 through the light guide section 150 to be arranged in the matrix shape, the major surface of the light guide plate can be activated as an area light source for emitting light approximately uniformly with the plural diffused lights generated at the respective patterns of the light guide plate. The diffused lights generated at the respective patterns formed on the major surfaces of the light guide plates may not be felt as dazzling eyes of the viewers, so that it is visually recognized as gentle light close to natural by the viewers.

[0099]

The illumination device 1 as set forth in claim 4 has a feature that a cross section in a horizontal direction of the light guide section extends in a direction remoter from the incident surface and is formed with the outgoing surfaces facing each other, likewise a cross section of, e.g., the light guide plate 107 shown in Fig. 13 radially extending from a center of the housing section 40, or likewise a cross section of the light guide plate not shown but formed in a three way radially extending manner from the center of the housing section 40 in substantially the same way. The illumination device 1 as set forth in claim 5 has a feature that the light guide section 100 through the light guide section 170 are formed to extend in a cross shape when viewed in a perpendicular direction and has eight or more of the outgoing surfaces. In accordance with the

the two light guide plates forming, e.g., the cross shape at the light guide section are overlapped, a part of the light reflected in a multiple number inside one of the light guide plates is outputted upon further multiple reflection inside the other light guide plate after entered into the other light guide plate overlapped adjacently with the one light guide plate. That is, the light of the light source entered from the incident surface of the light guide plate is diffused as diffused light. Accordingly, the light can be recognized as the good light source having few differences between brightness and darkness without making the viewer dazzling feeling.

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What is claimed is:

1. An illumination device comprising:
 - an electric power receiving section supplied with electric power from an external portion;
 - a power source section connected to the electric power receiving section, converting the electric power into prescribed drive power;
 - a light source section connected to the power source section, emitting light according to the drive power;
 - a housing section containing the light source section; and
 - a light guide section arranged to project from the housing section ~~and formed with plural light guide pieces outputting, from a branched outgoing surface, outputting, from an outgoing surface of a plurality of light guide pieces,~~ the light of the light source section entered from an incident surface of a light guide plate, the plurality of the light guide pieces formed by branching by a cutoff portion;
 - wherein at least one of the outgoing surfaces of the light guide piece is formed with a recess or projecting pattern for outputting the light of the light source section as diffused light.
2. The illumination device according to claim 1, wherein the light guide piece is provided in a plural number so as to make a length from the incident surface becomes equal or different.
3. The illumination device according to claim 1, wherein a tip of the light guide piece is formed with a curving surface or an inclined surface.
4. The illumination device according to claim 1, wherein a tip of the light guide piece is formed with a recess formed in a cylindrical shape or cone shape having a prescribed depth.
5. The illumination device according to claim 1, wherein a tip of the light guide piece is formed in a frustum of a pyramid shape or circular truncated cone shape.

6. The illumination device according to claim 1, wherein the light guide piece extended from the incident surface is formed in a shape of a polygon, a circle, an oval, or a pyramid having a cross section made smaller as remoter from the incident surface.

7. The illumination device according to claim 1, wherein the light guide ~~pieces~~section is combined and formed in which the incident surface of one of the light guide ~~pieces~~plates is inserted into a ~~the~~ cutoff portion or projecting portion of another of the light guide ~~pieces~~plates whose tip is branched off.

8. The illumination device according to claim 1, wherein the light guide section has a cross section in a horizontal direction radially extending from a center of the housing section, and wherein the light guide section extends in a direction remoter from the incident surface and is formed with the outgoing surfaces facing each other.

9. The illumination device according to claim 1, wherein the light guide section is formed to extend in a cross shape when viewed in a perpendicular direction and has eight or more of the outgoing surfaces.

10. The illumination device according to claim 1, wherein the light guide section has a cross section in a horizontal direction extending in a shape, with a space inside, of a polygon, a circle, an oval, or is a pyramid or cone having a cross section made smaller as remoter from the incident surface.

11. The illumination device according to claim 1, wherein the light guide section has a cross section in a horizontal direction extending in a shape of a polygon, a circle, or an oval, or is a pyramid or cone having a cross section made smaller as remoter from the incident surface.

12. The illumination device according to claim 1, wherein the light guide section has a cross section in a horizontal direction made larger or smaller as remoter from the incident surface.

13. The illumination device according to claim 1, wherein the light guide section is coated with a silicone coating agent or a glass coating agent, or is covered with a transparent resin.

14. The illumination device according to claim 1, wherein ~~one or more of the outputting surfaces of the light guide piece are formed with a recess or projecting pattern for outputting the light of the light source section as diffused light~~ the light guide section is held by inserting and engaging a groove portion opened at a center of the holding member in and with an engagement portion of the light guide plate.