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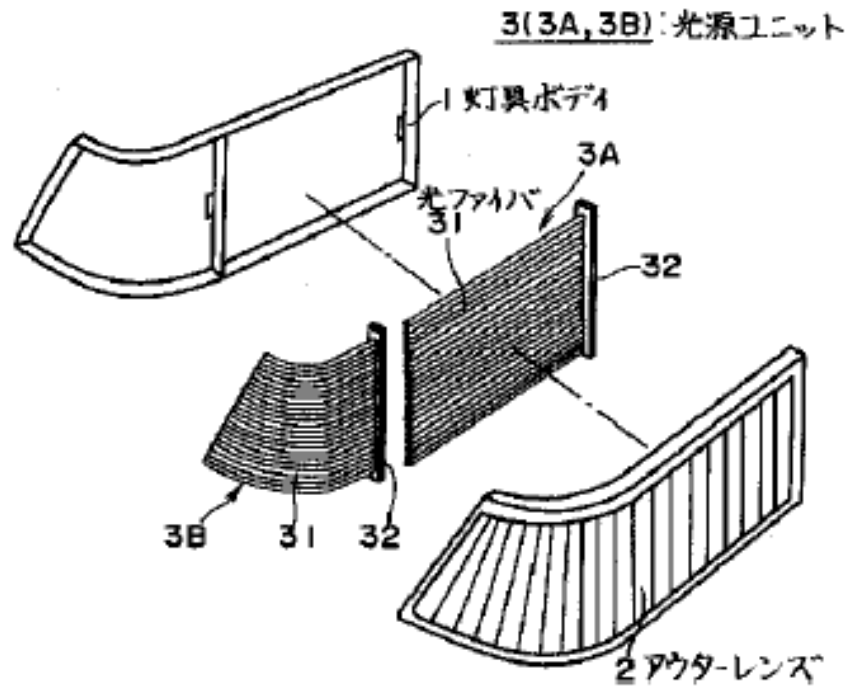
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25 (54) Title of Invention Vehicle Lamp

(57) [Abstract]

[Object] To obtain a vehicle lamp capable of simplification of a structure, thinning, and uniform illumination.

[Structure] Multiple optical fibers 31, each of which is integrally provided with a light source (LED device) 33 at one end, are arranged in a planar shape, and a total reflection step for reflecting light transmitted through the inside of the optical fiber to the front is provided in a rear surface of each of the optical fibers 31 to constitute a light source unit 3 (3A, 3B), which is mounted in a lamp body 1, and to which a lens 2 is attached, thereby constituting a thin lamp.



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1: lamp body

2: outer lens

3 (3a, 3b): light source unit

31: optical fiber

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[Scope of Claim for Utility Model Registration]

[Claim 1]

A vehicle lamp wherein plural optical fibers, each of which is integrally provided with a light source at one end, are arranged in a planar shape, a total
5 reflection step for reflecting light transmitted through the inside of the optical fiber to the front is provided in a rear surface of each of the optical fibers to constitute a light source unit, the light source unit is mounted in a lamp body, and a lens is disposed at a front position.

[Brief Description of the Drawings]

10 [Fig. 1] It is a partially exploded perspective view of a first embodiment of a vehicle lamp of the invention.

[Fig. 2] It is a perspective view for showing an overall configuration of the vehicle lamp in Fig. 1.

15 [Fig. 3] It is an enlarged perspective view of main components of a light source unit in Fig. 1.

[Fig. 4] It is a cross-sectional view in a vicinity of an end of an optical fiber.

[Fig. 5] It is a perspective view for showing the breakaway lamp in Fig. 1 by breaking.

20 [Fig. 6] It is a partially exploded perspective view of a second embodiment of the invention.

[Description of Reference Numerals]

1: lamp body

2: outer lens

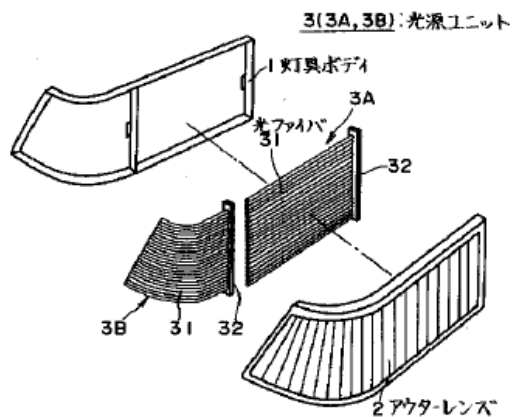
25 3: (3A to 3C): light source unit

31: optical fiber

33: light emitting device (light source)

35: total reflection step

FIG. 1
【 図1 】



1: lamp body
2: outer lens

3(3A,3B): light source unit
31: optical fiber

FIG. 2
【 図2 】

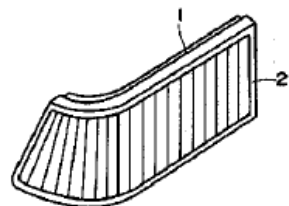
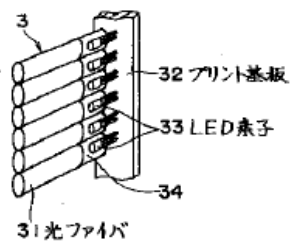


FIG. 3
【 図3 】



31: optical fiber
32: printed board
33: LED device

FIG. 4
【 図4 】

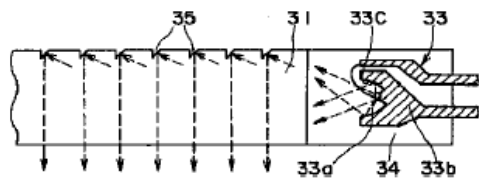


FIG. 5
【 図5 】

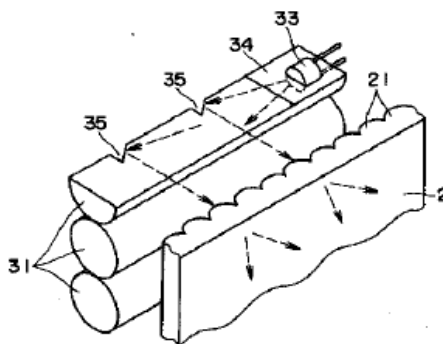
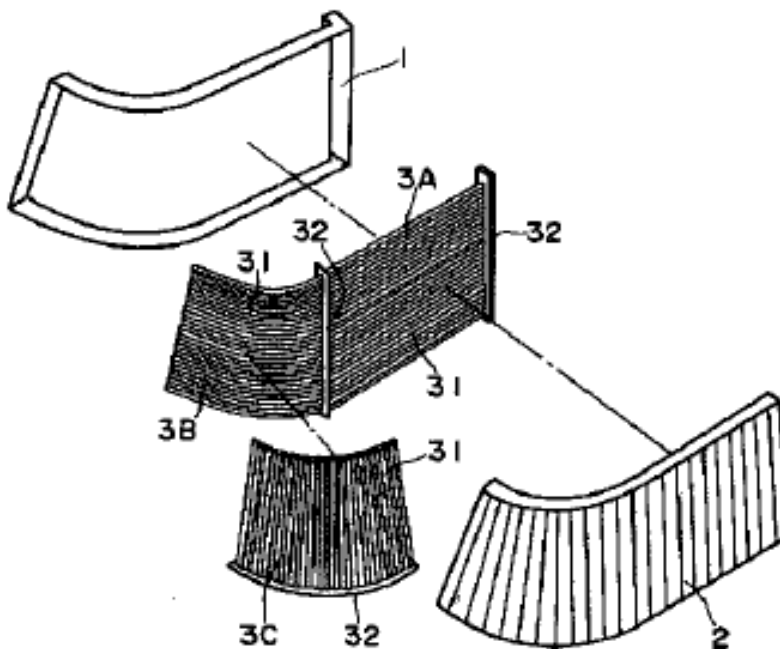


FIG. 6
【 図6 】



Continuation of Front Page

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