

Title (en)

Decorative lamps

Title (de)

Dekorative Lampen

Title (fr)

Lampes décoratives

Publication

**EP 0822371 A3 19990616 (EN)**

Application

**EP 97202322 A 19970730**

Priority

JP 20457396 A 19960802

Abstract (en)

[origin: EP0822371A2] The present invention aims at providing a durable power-saving decorative lamp whose light can be easily seen and whose light color can be easily set. The decorative lamp is a hollow and transparent glass or hard resin bulb with a frosted surface containing a plurality of LED lamps. Each of the LED lamps is connected to a metal base forming an electrode by being fixed to the base portion of the decorative lamp through an appropriate resistance, capacitor, or small circuit substrate. The LED lamps are connected individually, in series, or in parallel. The surfaces of the LED lamps are processed with various treatments to have frosted-glass surfaces, irregular diamond-cut surfaces, etc. Thus, each LED lamp emits light in all directions except backward from the base of the lamp, and the light can be seen from all directions, thereby providing desired decorative lamps. Furthermore, the color of light can be easily set by appropriately selecting a light emitting element of the LED lamp.

<IMAGE>

IPC 1-7

**F21P 3/00**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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