

Title (en)

ILLUMINATION APPARATUS USING A LIGHT GUIDE PLATE WITH A PLURALITY OF ENGRAVED GROOVES

Title (de)

BELEUCHTUNGSVORRICHTUNG MIT EINER LICHTLEITERPLATTE MIT EINER VIELZAHL EINGRAVIERTER RILLEN

Title (fr)

APPAREIL D'ÉCLAIRAGE UTILISANT UNE PLAQUE DE GUIDE DE LUMIÈRE AVEC UNE PLURALITÉ DE RAINURES GRAVÉES

Publication

**EP 2235571 A1 20101006 (EN)**

Application

**EP 07870585 A 20071228**

Priority

IT 2007000929 W 20071228

Abstract (en)

[origin: WO2009084052A1] A liquid crystal display (LCD) backlight apparatus having a light guide plate (21) with a first and a second main surfaces (23, 30) and a first lateral side; a reflection plate (28) facing the first main surface (23); a first light source (24) arranged laterally to the first lateral side of the light guide plate (21), configured to emit a luminous radiation (L1, L2, L3 ); a transparent diffusion pattern (22) extending on the first main surface (23) and configured to receive the emitted luminous radiation (L1, L2, L3), to generate a first diffused luminous radiation (d1, d2, d3) toward the reflection plate (28), to collect reflected luminous radiation (r1, r2, r3) from the reflection plate (28) and to generate a second diffused luminous radiation (u1-u9) toward the second main surface.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2009084052A1

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