

Title (en)

COMPACT EFFICIENT LIGHT COLLECTION OPTICS FOR SCROLLING COLOR ILLUMINATION

Title (de)

KOMPAKTES EFFIZIENTES LICHTSAMMLUNGSOPTIK FÜR BELEUCHTUNG MIT SICH VERSCHIEBENDEN FARBEN

Title (fr)

ELEMENT OPTIQUE COLLECTEUR DE LUMIÈRE COMPACT ET EFFICACE POUR SYSTÈME D'ÉCLAIRAGE À DÉFILEMENT DE COULEURS

Publication

**EP 1646895 A1 20060419 (EN)**

Application

**EP 04733405 A 20040517**

Priority

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- US 47481903 P 20030530

Abstract (en)

[origin: WO2004106996A1] A light source for a scrolling color illumination system includes a lamp (212) producing light, first and second independent reflectors (220, 230) each receiving a portion of the light from the lamp (212), and a light guide (260) receiving two independent images of the light source created by the portions of the light received by the first and second independent reflectors (220, 230). Through such an arrangement, the light guide (260) provides a light beam at an output thereof having an aspect ratio that is twice an aspect ratio of the light beam produced by the lamp (212) while preserving its original etendue. Beneficially, a polarizing element (266) polarizes the unpolarized light beam from the light guide (260) and, in the process, the aspect ratio is further doubled, again without an increase in the etendue.

IPC 1-7

**G02B 6/00; F21V 7/00**

IPC 8 full level

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CPC (source: EP KR)

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Citation (search report)

See references of WO 2004106996A1

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