Title (en)

ETENDUE EFFICIENT COMBINATION OF MULTIPLE LIGHT SOURCES

Title (de)

BANDBREITENEFFIZIENTE KOMBINATION MEHRERER LICHTQUELLEN

Title (fr)

COMBINAISON A EFFACITE EN ETENDUE DE SOURCES DE LUMIERE MULTIPLES

Publication

EP 1846799 A2 20071024 (EN)

Application

EP 06734567 A 20060209

Priority

- US 2006004405 W 20060209
- US 65107905 P 20050209
- US 24016905 A 20050930

Abstract (en)

[origin: WO2006086458A2] A multi-colored illumination system comprising a beam combiner. The beam combiner comprises two triangular prisms and a filter for transmitting a first light and reflecting a second light, each light having a different wavelength. The beam combiner combines the transmitted first light and the reflected light to provide a combined beam. The six surfaces of each of the triangular prism of the beam combiner is polished, thereby combining the lights without increasing etendue of the multi-colored illumination system.

IPC 8 full level

G02B 27/12 (2006.01); **G02B 5/04** (2006.01); **G02B 27/09** (2006.01); **G02B 27/14** (2006.01); H04N 9/31 (2006.01)

CPC (source: EP KR)

G02B 27/0905 (2013.01 - EP KR); **G02B 27/0972** (2013.01 - EP); **G02B 27/102** (2013.01 - EP KR); **G02B 27/145** (2013.01 - EP KR); **G02B 27/149** (2013.01 - EP KR); **G02B 27/283** (2013.01 - KR); **H04N 9/3105** (2013.01 - EP KR); **H04N 9/315** (2013.01 - EP KR)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

WO 2006086458 A2 20060817; **WO 2006086458 A3 20070816**; CA 2594462 A1 20060817; EP 1846799 A2 20071024; EP 1846799 A4 20110126; KR 20070115882 A 20071206

DOCDB simple family (application)

US 2006004405 W 20060209; CA 2594462 A 20060209; EP 06734567 A 20060209; KR 20077018222 A 20070808