

Title (en)  
ILLUMINATING LENS DESIGNED BY EXTRINSIC DIFFERENTIAL GEOMETRY

Title (de)  
DURCH EXTRINSISCHE DIFFERENZIALGEOMETRIE ENTWORFENE BELEUCHTUNGSLINSE

Title (fr)  
LENTILLES D'ECLAIRAGE CON UES PAR GEOMETRIE DIFFERENTIELLE EXTRINSEQUE

Publication  
**EP 1334395 A1 20030813 (EN)**

Application  
**EP 00991028 A 20001114**

Priority  
US 0042166 W 20001114

Abstract (en)  
[origin: CA2428696A1] A grid (100, 200) defining illumination cells (110, 120, 230) having areas to pass light from a source for use in generation of lines, wherein the grid is defined by first lines extending about one axis defined by the source, and second lines emanating from the axis to intersect first lines, each cell having four edges defined by successive of first lines and successive of second lines, the cells having one of the following: (i) equal areas (ii) areas that increase in direction away from the source.

IPC 1-7  
**G02B 13/18**; **G02B 3/02**

IPC 8 full level  
**G02B 3/00** (2006.01); **G02B 3/02** (2006.01); **G02B 13/18** (2006.01); **G06F 17/50** (2006.01)

CPC (source: EP)  
**G02B 3/08** (2013.01)

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
AU 3082801 A 20020527; CA 2428696 A1 20020523; CA 2428696 C 20090113; EP 1334395 A1 20030813; EP 1334395 A4 20070124;  
JP 2004526222 A 20040826

DOCDB simple family (application)  
AU 3082801 A 20001114; CA 2428696 A 20001114; EP 00991028 A 20001114; JP 2002542931 A 20001114