

Title (en)
TARGET ILLUMINATION DEVICE

Title (de)
ZIEL-BELEUCHTUNGSVORRICHTUNG

Title (fr)
DISPOSITIF D'ECLAIRAGE DE CIBLE

Publication
EP 1064580 A1 20010103 (EN)

Application
EP 99912545 A 19990317

Priority
• US 9905636 W 19990317
• US 4562398 A 19980320

Abstract (en)
[origin: WO9949347A1] A device for illuminating a target is provided. The target illumination device has a radiation source (20), a lens (140) and a deflector (120). The lens and the deflector are disposed in spaced apart relationship defining a transmission space (106) therebetween and a reflection space (136) proximate the transmission space. The lens is adapted to receive incident radiation from the radiation source and to transmit at least a portion of the incident radiation in a first direction through the transmission space in a manner such that the transmitted radiation is substantially uniform through the transmission space and such that the reflection space is substantially devoid of transmitted radiation. The deflector is adapted to be placed proximate a target (50) for deflecting at least a portion of the transmitted radiation onto the target at an angle such that the target reflects at least a portion of the deflected radiation in a second direction through the reflection space.

IPC 1-7
G02B 21/00; **G02B 21/06**; **G02B 21/36**; **G02B 21/08**

IPC 8 full level
G02B 21/06 (2006.01); **G02B 21/00** (2006.01); **G02B 21/08** (2006.01); **G02B 21/36** (2006.01); **G06K 7/10** (2006.01)

CPC (source: EP)
G02B 21/08 (2013.01); **G02B 21/082** (2013.01); **G02B 21/084** (2013.01); **G06K 7/10732** (2013.01); **G06K 7/10742** (2013.01)

Designated contracting state (EPC)
DE GB

DOCDB simple family (publication)
WO 9949347 A1 19990930; AU 3090199 A 19991018; CA 2324626 A1 19990930; EP 1064580 A1 20010103; EP 1064580 A4 20050427; JP 2002507779 A 20020312; MX PA00009228 A 20041203; NO 20004706 D0 20000920; NO 20004706 L 20001027

DOCDB simple family (application)
US 9905636 W 19990317; AU 3090199 A 19990317; CA 2324626 A 19990317; EP 99912545 A 19990317; JP 2000538261 A 19990317; MX PA00009228 A 19990317; NO 20004706 A 20000920