

Title (en)  
DEVICE FOR SAMPLING A PLURALITY OF PARTS OF A LIGHT BEAM

Title (de)  
VORRICHTUNG ZUR ABTASTUNG MEHRERER TEILE EINES LICHTSTRAHLS

Title (fr)  
DISPOSITIF DE PRELEVEMENT D'UNE PLURALITE DE PARTIES D'UN FAISCEAU LUMINEUX

Publication  
**EP 2104871 A1 20090930 (FR)**

Application  
**EP 07858133 A 20071224**

Priority  
• EP 2007064535 W 20071224  
• FR 0656021 A 20061228

Abstract (en)  
[origin: FR2910979A1] The device has a compact optical component i.e. compact prism (32), with a plate made of material transparent to a monochromatic incident light beam (34), where the plate has parallel and plane faces (36, 38). A third plane face (40) of the plate forms a dihedron with one of the parallel and plane faces. An angle of the dihedron is equal to  $\pi$  - truncation angle ( $\alpha$ ) of the plate, which ranges between 0 to  $\arcsin(1/Vn)$ , where  $n$  is refractive index of the material. The third plane face is made reflective with respect to the light beam.

IPC 8 full level  
**G02B 5/04** (2006.01); **G02B 27/14** (2006.01)

CPC (source: EP US)  
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**FR 0656021 A 20061228**; EP 07858133 A 20071224; EP 2007064535 W 20071224; US 52155307 A 20071224