

Title (en)  
Optical systems including reflectors

Title (de)  
Optische Systeme mit Reflektoren

Title (fr)  
Systèmes optiques utilisant des réflecteurs

Publication  
**EP 1300712 A3 20040225 (EN)**

Application  
**EP 02256927 A 20021007**

Priority  
GB 0123979 A 20011005

Abstract (en)  
[origin: EP1300712A2] An optical system includes conical reflectors (32) axially aligned back to back with a xenon tube (35) located in the throat (36) formed by their truncated apices, for emitting light in two opposite directions. Each reflector (32) is enclosed by a transparent cover (33) that includes a central lens (37) for evening out axial light-distribution. Alternatively, a xenon tube (15) may be located between the apices of two mutually-inverted conical reflectors (16,17) at right angles to their common axis (18) for emitting light from their external reflective surfaces throughout 360 degrees. As further alternatives, a single conical or pyramidal reflector (3,10) may be used with a LED (1) as light source, and the systems may be used for reception of light. <IMAGE>

IPC 1-7  
**G02B 17/06**; **G02B 19/00**; **F21V 7/00**; **G02B 27/00**

IPC 8 full level  
**F21V 7/04** (2006.01); **F21V 7/00** (2006.01)

CPC (source: EP US)  
**F21V 7/04** (2013.01 - EP); **F21V 7/041** (2013.01 - EP US); **F21V 7/0025** (2013.01 - EP); **F21V 7/005** (2013.01 - EP); **F21W 2111/00** (2013.01 - EP); **F21Y 2115/10** (2016.07 - EP US)

Citation (search report)

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