

Title (en)  
LUMINAIRE WITH A COMPOUND PARABOLIC REFLECTOR

Title (de)  
LEUCHTE MIT EINEM VERBUND-PARABOLREFLEKTOR

Title (fr)  
LUMINAIRE AVEC REFLECTEUR PARABOLIQUE COMPOSITE

Publication  
**EP 2147247 A1 20100127 (EN)**

Application  
**EP 07795212 A 20070523**

Priority  
US 2007012256 W 20070523

Abstract (en)  
[origin: WO2008150254A1] Luminaires (10) for illuminating a target zone (13) having target zone subregions in front of and to the sides of the luminaire. The luminaire includes a housing (17), a lamp holder (13) in the housing positioned to support an electric lamp (19) in a generally vertical orientation, and a compound parabolic reflector (11) in the housing partially surrounding a lamp light-emitting segment (47) location having plural regions (51, 53, 55). Preferred forms of the compound parabolic reflector include segmented center (59) and side portions (61, 63). The preferred segmented center portion has a first plurality of two-dimensional parabolic segments (73, 75, 77) each of which has a focal point (79, 81, 83) in a different one of the plural light-emitting segment location regions. The preferred segmented side portions are each provided with a second plurality of two-dimensional parabolic segments (101-131) having focal points (138) along the light-emitting segment location. The parabolic segments are effective to direct a preponderance of light toward the target zone subregions.

IPC 8 full level  
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