

Title (en)  
Lighting device with hollow light guide

Title (de)  
Leuchte mit Hohllichtleiter

Title (fr)  
Luminaire avec guide de lumière creux

Publication  
**EP 1679470 B1 20110309 (DE)**

Application  
**EP 05028277 A 20051223**

Priority  
DE 102005001121 A 20050110

Abstract (en)  
[origin: EP1679470A2] A light for room illumination has a space (5) with one or more partly reflecting walls (11), and the first wall (9) is partly transparent and has a light-decoupling zone. A linear light-refracting structure is provided on the first wall (11) and extends parallel to the light-source and has a tapering cross-section in a plane normal to the line defining it. The sides of the cross-section approximately lie in one region from 100 deg. to 130 deg. while the second wall (7) of the light transparent zone has a structure of linearly shaped light refracting elements extending parallel to the light source, and possess a tapering shape in the cross-section in one plane normal to the defining line.

IPC 8 full level  
**F21S 8/04** (2006.01); **F21S 8/06** (2006.01); **F21V 5/00** (2006.01); **F21Y 103/00** (2006.01)

CPC (source: EP US)  
**F21S 8/04** (2013.01 - EP); **F21S 8/06** (2013.01 - EP); **F21V 5/00** (2013.01 - EP US); **F21V 5/02** (2013.01 - EP US); **F21V 7/0016** (2013.01 - EP); **F21V 13/04** (2013.01 - EP); **F21V 5/008** (2013.01 - EP US); **F21V 7/0033** (2013.01 - EP); **F21Y 2103/00** (2013.01 - EP US)

Cited by  
EP2711614A3; DE102012213286A1; DE102012213286B4; US11852333B1; DE102011012653A1; DE102011012653B4; DE202008014867U1

Designated contracting state (EPC)  
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**EP 05028277 A 20051223**; AT 05028277 T 20051223; DE 502005011073 T 20051223; EP 11156581 A 20051223