

Title (en)
DAYLIGHT COLLECTORS WITH DIFFUSE AND DIRECT LIGHT COLLECTION

Title (de)
TAGESLICHTKOLLEKTOREN MIT SAMMLUNG VON DIFFUSEM UND DIREKTEM LICHT

Title (fr)
COLLECTEURS DE LUMIÈRE DU JOUR À COLLECTE DE LUMIÈRE DIFFUSE ET DIRECTE

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Application
EP 17853938 A 20170921

Priority
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Abstract (en)
[origin: WO2018057806A1] Lighting devices and methods for providing daylight to the interior of a structure are disclosed. Some embodiments disclosed herein provide a daylighting device including a tube having a sidewall with a reflective interior surface, a light collecting structure, and a light reflector positioned to reflect daylight into the light collector. In some embodiments, the light collector is associated with one or more light-turning and/or light reflecting structures configured to increase the amount of light captured by the daylighting device. Optical elements may allow for the absorption and/or selective transmission of infrared light away from an interior of the daylighting device.

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Citation (search report)
• [X] US 2993409 A 19610725 - BOYD ROBERT A
• [X] US 2812691 A 19571112 - BOYD ROBERT A
• [X] US 4329021 A 19820511 - BENNETT DAVID J, et al
• [X] JP H11167084 A 19990622 - SANYO ELECTRIC CO
• [X] JP 2001090277 A 20010403 - SANYO ELECTRIC CO
• [XP] WO 2016149677 A1 20160922 - SOLATUBE INT INC [US]
• [A] EP 2743568 A2 20140618 - SOLATUBE INT INC [US]
• See also references of WO 2018057806A1

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