

Title (en)

Shaped Reflector with spatially separated foci for the illumination of identical areas, and method for determining its surface

Title (de)

Reflektor mit geformter Oberfläche und räumlich getrennten Foki zur Ausleuchtung identischer Gebiete und Verfahren zur Oberflächenermittlung

Title (fr)

Réflecteur à surface formée et à foyers spatialement séparés pour l'illumination de territoires identiques, et méthode pour la détermination de la surface

Publication

**EP 1321999 A1 20030625 (DE)**

Application

**EP 03005032 A 20000904**

Priority

- DE 19945062 A 19990920
- EP 00118245 A 20000904

Abstract (en)

Local adapted shapes on a reflector (1) are designed to give the reflector multiple focal points (10a,10b,110a,110b) separated by spaces. As a result, electromagnetic bundles (5a,5b,50a,50b) of rays emerging from rays (4a,4b,40a,40b) separated by spaces are directed at a common illuminating area (3a,3b), especially for bundles with different frequencies/bands that illuminate the reflector. <??>An Independent claim is also included for a method for determining the shaping of a reflector's surface.

Abstract (de)

Die Erfindung betrifft einen Reflektor mit geformter Oberfläche für elektromagnetische Wellen, wobei eine lokale Formgebung des Reflektors (1) derart ausgelegt wird, daß der Reflektor (1) mehrere, räumlich getrennte Foki (10a, 10b, 110a, 110b) aufweist. Es können dadurch von räumlich getrennten Strahlern (4a, 4b, 40a, 40b) ausgehende elektromagnetische Strahlbündel (5a, 5b, 50a, 50b), insbesondere solche verschiedener Frequenz oder Frequenzbänder, die den Reflektor (1) ausleuchten, auf ein gemeinsames Ausleuchtgebiet (3, 3a, 3b) gerichtet werden. <IMAGE>

IPC 1-7

**H01Q 15/14**; **H01Q 15/00**; **H01Q 19/17**; **H01Q 19/195**; **H01Q 25/00**

IPC 8 full level

**H01Q 15/00** (2006.01); **H01Q 15/14** (2006.01); **H01Q 19/17** (2006.01); **H01Q 19/195** (2006.01); **H01Q 25/00** (2006.01)

CPC (source: EP US)

**H01Q 15/147** (2013.01 - EP US); **H01Q 19/17** (2013.01 - EP US); **H01Q 19/195** (2013.01 - EP US); **H01Q 25/007** (2013.01 - EP US)

Citation (search report)

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