

Title (en)

BEAMFORMER FOR A REMOTELY ILLUMINATED LIGHTING SYSTEM AND METHOD

Title (de)

STRAHLFORMER FÜR EIN ÜBER EINEN ABSTAND ILLUMINIERTES BELEUCHTUNGSSYSTEM UND VERFAHREN

Title (fr)

FORMEUR DE FAISCEAUX POUR UN SYSTEME LUMINEUX D'ECLAIRAGE A DISTANCE ET PROCEDE CORRESPONDANT

Publication

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Application

EP 99906831 A 19990203

Priority

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Abstract (en)

[origin: WO9939135A1] A remotely illuminated lighting system distributes from a central illumination source light signals to remote light distribution devices (14). Each remote light distribution device (14) or beamformer, is adaptable to produce a highly precise distribution pattern (132) from the light signals. The distribution pattern (132) may be easily adjusted in both horizontal and vertical directions. In a first preferred arrangement, each beamformer is coupled via a fiber-optic cable to the central light source and includes a non-imaging light transformer (120) and a conical reflective element (112). In additional preferred embodiments, a holographic diffuser and/or a masking element are incorporated for adapting the shape of the light distribution pattern. An electronically controlled masking element may be further incorporated for providing flashing, moving or otherwise dynamic light distribution patterns.

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- See references of WO 9939135A1

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