

Title (en)
LAMP

Title (de)
LEUCHTMITTEL

Title (fr)
MOYEN D ÉCLAIRAGE

Publication
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Application
EP 09776087 A 20090811

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Abstract (en)
[origin: WO2010040327A1] In at least one embodiment of the lamp (1), said lamp comprises at least one optoelectronic semiconductor component (2), which during operation with at least one first wavelength (L1) and at least one second wavelength (L2) emits electromagnetic radiation, wherein the first wavelength (L1) and the second wavelength (L2) differ from each other and are below 500 nm, in particular between 200 nm and 500 nm. The lamp (1) furthermore comprises at least one conversion means (3), which converts the first wavelength (L1) at least partially into radiation having a different frequency. The radiation spectrum emitted by the lamp (1) during operation is metameric with respect to a black body spectrum. Using such a lamp, it is possible to select the first wavelength and the second wavelength such that at the same time a high color rendition quality and high efficiency of the lamp can be achieved.

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H01L 33/00 (2010.01)

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