

Title (en)
LIGHTING DEVICE WITH A WAVELENGTH CONVERSION ARRANGEMENT

Title (de)
BELEUCHTUNGSVORRICHTUNG MIT EINER WELLENLÄNGENKONVERSIONSANORDNUNG

Title (fr)
DISPOSITIF D'ÉCLAIRAGE ÉQUIPÉ D'UN ENSEMBLE DE CONVERSION DE LONGUEUR D'ONDE

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Application
EP 15750007 A 20150730

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Abstract (en)
[origin: WO2016030121A1] The invention relates to a lighting device (1) with an excitation light source (2) and a wavelength conversion arrangement. The wavelength conversion arrangement is designed such that the excitation light (3) is not just wavelength-converted into converted light but also additionally reflected as reflected light (3) in a controlled and at least partly unconverted manner, i.e. spectrally unchanged, at least temporarily. For this purpose, the wavelength conversion arrangement has at least one reflective element (7) in order to deflect the reflected light (3) onto a reflected light path which is spatially separated from the excitation light path and the converted light path. The converted light is separated from the excitation light and combined with the deflected reflected light (3) using a dichroic mirror (4).

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