

Title (en)
LIGHTGUIDE PLATE

Title (de)
LICHTLEITPLATTE

Title (fr)
PLAQUE-GUIDE DE LUMIÈRE

Publication
EP 3695163 A1 20200819 (EN)

Application
EP 18783022 A 20181010

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Abstract (en)
[origin: WO2019072938A1] A composite light guide is disclosed. The composite light guide comprises a light guide layer having a first face and a second opposite face, and an edge portion configured to receive input light, wherein at least one of the first face and the second face is an output face. The composite light guide 5 comprises a plurality of low-scattering photo-luminescent elements in optical contact with the light guide layer and a spatially inhomogeneous out-coupling layer comprising a plurality of out-coupling structures disposed at least one of the first face and the second face. The plurality of low-scattering photo-luminescent elements comprises at least one element capable of absorbing light within a first wavelength range and emitting light within a second, different wavelength range. Each of the 10 plurality of out-coupling structures has a dimension which is substantially larger than wavelengths in the first wavelength range and wavelengths in the second wavelength range.

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