

Title (en)

ENHANCED COLOR-PREFERENCE LED LIGHT SOURCES USING LAG, NITRIDE AND PFS PHOSPHORS

Title (de)

VERBESSERTE LED-LICHTQUELLEN MIT FARBPÄRFERENZ ANHAND VON LAG-, NITRID- UND PFS-LEUCHTSTOFFEN

Title (fr)

SOURCES DE LUMIÈRE ROUGE À PRÉFÉRENCE DE COULEUR AMÉLIORÉE UTILISANT DES PHOSPHORES LAG ET PFS ET DU NITRURE DE PHOSPHORE

Publication

EP 3194529 A1 20170726 (EN)

Application

EP 15703175 A 20150121

Priority

- US 2014054868 W 20140909
- US 2015012286 W 20150121

Abstract (en)

[origin: WO2016039799A1] Aspects of the present disclosure are directed to a composite light source which includes at least one blue light source having peak wavelength in the range of about 400 nm to about 460 nm; at least one yellow-green garnet phosphor; and at least one narrow-band red-emitting down-converter. Such composite light source may have a Lighting Preference Index (LPI) of at least 120. In other aspects the disclosure is directed to composite light source comprising at least one blue light source having peak wavelength in the range of about 400 nm to about 460 nm; at least one yellow-green garnet phosphor; and at least one broad red down-converter. In this latter aspect the composite light source may have a Lighting Preference Index (LPI) of at least 120. Numerous other aspects are provided.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2016039800A1

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