

Title (en)

MN4+-ACTIVATED LUMINESCENCE MATERIAL AS CONVERSION LUMINESCENT MATERIAL FOR LED SOLID STATE LIGHT SOURCES

Title (de)

MN4+-AKTIVIERTES LUMINESZENZMATERIAL ALS KONVERSIONSLEUCHTSTOFF FÜR LED-FESTKÖRPERLICHTQUELLEN

Title (fr)

MATÉRIAU LUMINESCENT ACTIVÉ PAR MN4+ SERVANT DE SUBSTANCE LUMINESCENTE DE CONVERSION POUR DES SOURCES DE LUMIÈRE À SEMI-CONDUCTEURS À DEL

Publication

EP 3538624 A1 20190918 (DE)

Application

EP 17780427 A 20171009

Priority

- EP 16193525 A 20161012
- EP 2017075579 W 20171009

Abstract (en)

[origin: WO2018069195A1] The invention relates to Mn4+-activated luminescence materials, to a method for the production thereof, and to the use thereof as luminescent materials or conversion luminescent materials in light sources. The invention further relates to an emissions-converting material containing the luminescent material according to the invention and to a light source that contains the luminescent material or the emissions-converting material according to the invention. The invention further relates to light sources, in particular LEDs, and lighting units, which contain a primary light source and the luminescence material or the emissions-converting material according to the invention. The Mn4+-activated luminescence materials according to the invention are particularly suitable for generating warm white light in LEDs.

IPC 8 full level

C09K 11/74 (2006.01)

CPC (source: EP KR US)

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