

Title (en)
EMISSION DEVICE FOR EMITTING A LIGHT BEAM OF CONTROLLED SPECTRUM

Title (de)
EMISSIONSVORRICHTUNG ZUR EMISSION EINES LICHTSTRAHLS VON GESTEUERTER BANDBREITE

Title (fr)
DISPOSITIF D'EMISSION D'UN FAISCEAU LUMINEUX DE SPECTRE CONTROLE

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Application
EP 13727243 A 20130430

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Abstract (en)
[origin: WO2013167824A1] The invention concerns an emission device (1) for emitting a light beam of controlled spectrum. The emission device comprises: - at least two separate light sources (Si to N) each emitting a light beam of wavelength λ_1 or λ_2 , and - spectral multiplexing means (25). The spectral multiplexing means (25) comprise an optical assembly (25) formed from at least one lens (25) and/or an optical prism. The optical assembly (25) has chromatic dispersion properties and moves the light beams spatially closer together. Moreover, each light beam having at least wavelength λ_1 or λ_2 propagates in free space from the corresponding light source (Si to N) to the optical assembly (25). Therefore the emission device (1) is particularly robust. It can have small dimensions and be produced at low cost.

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Citation (search report)
See references of WO 2013167824A1

Citation (examination)
CH 690864 A5 20010215 - HERA ROTTERDAM BV [NL]

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JP2018537654A

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