

Title (en)

SYSTEM FOR GENERATING NON-HOMOGENOUS BIOLOGICALLY-ADJUSTED LIGHT AND ASSOCIATED METHODS

Title (de)

SYSTEM ZUR ERZEUGUNG VON NICHTHOMOGENEM BIOLOGISCH GEREGETEM LICHT UND ZUGEHÖRIGE VERFAHREN

Title (fr)

SYSTÈME POUR GÉNÉRER UNE LUMIÈRE RÉGLÉE BIOLOGIQUEMENT NON HOMOGENE ET PROCÉDÉS ASSOCIÉS

Publication

**EP 2974554 A1 20160120 (EN)**

Application

**EP 14774608 A 20140313**

Priority

- US 201313803825 A 20130314
- US 2014026141 W 20140313

Abstract (en)

[origin: WO2014160244A1] A lighting apparatus including a plurality of luminaires capable of generating polychromatic light having a dominant wavelength in the visible spectrum and arranged into an array and a computerized device (200) electrically coupled to the plurality of luminaires (300) so as to selectively operate each individual luminaire to produce source light varying with each other and with time. The computerized device (200) operates the luminaire (300) such that each luminaire (300) emits a source light, the source lights combining to form a combined light having selected characteristics. Each of the plurality of luminaires (300) may be operable to emit light having increased spectral opponency, thereby reducing melatonin suppression. The source lights, when perceived directly, recreate a lighting scenario having varying lighting characteristics.

IPC 8 full level

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CPC (source: EP US)

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