Title (en)

SYSTEMS AND METHODS OF MICROBIAL STERILIZATION USING POLYCHROMATIC LIGHT

Title (de)

SYSTEME UND VERFAHREN ZUR MIKROBIELLEN STERILISATION MIT POLYCHROMATISCHEM LICHT

Title (fr)

SYSTÈMES ET PROCÉDÉS DE STÉRILISATION MICROBIENNE À L'AIDE D'UNE LUMIÈRE POLYCHROMATIQUE

Publication

EP 3328445 A4 20180704 (EN)

Application

EP 16833630 A 20160729

Priority

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Abstract (en)

[origin: CN107847620A] The present invention is a device for sterilizing microorganisms on a liquid or solid substrate. The device includes a light source for producing a light and an optical device positioned proximate thelight source. The optical device is configured to focus the light generated by the light source to provide a high intensity light output The optical device also includes a dichroic reflector. The dichroic reflector is configured to pass thermal energy generated by the light source and reflect the light produced by the light source. The device also includes a power supply, where the power supply is coupled to the light source and the optical device. The device thereby killing microbial organisms presented within the range of the high intensity light output.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

- [XI] US 2010222852 A1 20100902 - VASILY DAVID B [US], et al
- [X] US 6447537 B1 20020910 - HARTMAN RAYMOND A [US]
- See references of WO 2017023783A1

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DOCDB simple family (application)

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