

Title (en)
LIGHT TREATMENT DEVICE

Title (de)
LICHTBEHANDLUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE TRAITEMENT PAR LA LUMIÈRE

Publication
EP 4135836 A4 20240117 (EN)

Application
EP 21787850 A 20210312

Priority

- US 202063008866 P 20200413
- US 202063010681 P 20200415
- US 2021022044 W 20210312

Abstract (en)
[origin: WO2021211238A1] A handheld light treatment device that aims to provide a wide variety of uses in personal care and household cleaning. The device contains a panel with light sources positioned behind a translucent or transparent head plate, to which is attachable an applicator disc and, optionally, applicator disc attachments with selected functionalities. The light panel shines light of different frequencies that may be useful for cleaning and sanitizing various surfaces. The applicator disc and applicator disc attachments have a substantially translucent or transparent base, allowing light from the light sources to shine through the head plate as well as applicator disc and applicator disc attachment, and the applicator disc to rotate while the light panel remains fixed. The applicator disc and applicator disc attachments may have bristles or other surface elements to facilitate cleaning or other uses, and the device may dispense an ingredient.

IPC 8 full level
A61N 5/06 (2006.01); **A61B 18/00** (2006.01); **A61H 7/00** (2006.01); **A61H 23/00** (2006.01); **A61M 35/00** (2006.01); **A61M 37/00** (2006.01)

CPC (source: EP)
A61H 7/005 (2013.01); **A61N 5/0616** (2013.01); **A61N 5/0624** (2013.01); **A61H 2201/0153** (2013.01); **A61H 2201/0157** (2013.01); **A61H 2201/10** (2013.01); **A61H 2201/105** (2013.01); **A61H 2201/1207** (2013.01); **A61H 2201/1635** (2013.01); **A61H 2201/1654** (2013.01); **A61H 2201/1685** (2013.01); **A61H 2201/1688** (2013.01); **A61H 2201/50** (2013.01); **A61M 35/003** (2013.01); **A61N 2005/0644** (2013.01); **A61N 2005/0661** (2013.01); **A61N 2005/0662** (2013.01)

Citation (search report)

- [X] EP 3289912 A1 20180307 - METRAS INC [JP]
- [X] US 2007185553 A1 20070809 - KENNEDY JOHN [CA]
- [X] US 2008103563 A1 20080501 - POWELL STEVEN D [US], et al
- See references of WO 2021211238A1

Designated contracting state (EPC)
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