

Title (en)
PLASMA SOURCE FOR HAND DISINFECTION

Title (de)
PLASMAQUELLE ZUR HANDDESINFEKTION

Title (fr)
SOURCE DE PLASMA POUR DÉSINFECTION DES MAINS

Publication
EP 4221769 A1 20230809 (DE)

Application
EP 22718091 A 20220322

Priority
• EP 2021064350 W 20210528
• EP 2022057487 W 20220322

Abstract (en)
[origin: WO2022248097A1] The invention relates preferably to a device which contactlessly dries and disinfects body regions, in particular hands. The disinfecting effect is produced by a plasma generator which confers the disinfecting effect on an air flow warmed for drying hands. The plasma generator preferably produces reactive species of plasma that are brought in contact with the human skin by means of the air flow. Contact with the plasma source and high-voltage components is avoided. The invention further relates to a use of the device according to the invention and to a method for disinfecting human skin.

IPC 8 full level
A61L 2/14 (2006.01); **A01N 25/34** (2006.01); **A61L 2/00** (2006.01); **H05H 1/24** (2006.01)

CPC (source: EP)
A01P 1/00 (2021.08); **A61L 2/0094** (2013.01); **A61L 2/14** (2013.01); **H05H 1/2439** (2021.05); **A61L 2202/122** (2013.01); **A61L 2202/15** (2013.01); **H05H 2245/34** (2021.05)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022248097 A1 20221201; CA 3220522 A1 20221201; EP 4221769 A1 20230809

DOCDB simple family (application)
EP 2022057487 W 20220322; CA 3220522 A 20220322; EP 22718091 A 20220322