

Title (en)  
UV-C AIR DISINFECTION FILTER

Title (de)  
UV-C-LUFTDESINFEKTIONSFILTER

Title (fr)  
FILTRE DE DÉSINFECTION D'AIR UV-C

Publication  
**EP 4199978 A4 20240228 (EN)**

Application  
**EP 21864830 A 20210728**

Priority  

- TR 202014125 A 20200907
- TR 202100239 A 20210108
- TR 2021050747 W 20210728

Abstract (en)  
[origin: WO2022050921A1] The invention is an element of air conditioning and ventilation system. The invention can be used in the entire health sector including, especially hospitals for air disinfection, especially in vitally important units for human health such as operating rooms and intensive care units. It can be used, apart from health, in shopping centers, congress centers, cinemas, cafes, restaurants, hotels, schools, theatres, indoor sport halls, skyscrapers, factories, public buildings, wedding halls and all workplaces requiring air conditioning. Also, it can be used in air-conditioners at homes, vacuum cleaners, air-conditioning systems or air-conditioners of cars and mass transportation vehicles. In summary, the invention has a wide range of usage potential including health, business and automotive sectors and private living spaces of individuals. In the other words, the filter can be used to exterminate many microorganisms such as bacteria, virus (especially COVID-19) and mould wherever it is used.

IPC 8 full level  
**A61L 9/20** (2006.01); **B01D 46/00** (2022.01); **B03C 3/017** (2006.01); **F24F 8/22** (2021.01)

CPC (source: EP)  
**A61L 9/20** (2013.01); **B03C 3/017** (2013.01); **B03C 3/155** (2013.01); **B03C 3/47** (2013.01); **F24F 8/22** (2021.01); **A61L 2209/14** (2013.01); **A61L 2209/16** (2013.01); **Y02A 50/20** (2018.01)

Citation (search report)  

- [A] WO 2006111088 A1 20061026 - 72G GROUP LTD [CN], et al
- [A] KR 100499315 B1 20050707
- [A] WO 2019004629 A1 20190103 - JUNG NAM KI [KR], et al
- See also references of WO 2022050921A1

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

DOCDB simple family (publication)  
**WO 2022050921 A1 20220310**; EP 4199978 A1 20230628; EP 4199978 A4 20240228; TR 202100239 A1 20220321

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