

Title (en)  
PHOTOCATALYTIC AIR PURIFIER

Title (de)  
PHOTOKATALYTISCHER LUFTREINIGER

Title (fr)  
PURIFICATEUR D'AIR PHOTOCATALYTIQUE

Publication  
**EP 3442604 A1 20190220 (EN)**

Application  
**EP 17724865 A 20170413**

Priority  
• GB 201606453 A 20160413  
• GB 2017051059 W 20170413

Abstract (en)  
[origin: WO2017178842A1] Disclosed herein is a photocatalytic air purifier. The purifier (1 ) comprises an air passage (10), a plurality of catalyst screens (11) arranged oblique to the right angle of the axis of air flow through the air passage (10), a drive means (30) to force air through the air passage (10), a plurality of electromagnetic radio wave sources (13) to activate the catalyst screens (11) and the air within the air passage (10). The plurality of electromagnetic radio wave sources (13) are disposed within the air passage between adjacent screens (11).

IPC 8 full level  
**A61L 9/20** (2006.01)

CPC (source: EP GB)  
**A61L 9/18** (2013.01 - GB); **A61L 9/205** (2013.01 - EP GB); **B01D 53/007** (2013.01 - GB); **B01D 53/86** (2013.01 - GB);  
**A61L 2209/14** (2013.01 - EP); **A61L 2209/16** (2013.01 - EP)

Citation (search report)  
See references of WO 2017178842A1

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

DOCDB simple family (publication)  
**WO 2017178842 A1 20171019**; AU 2017250446 A1 20181122; EP 3442604 A1 20190220; GB 2551468 A 20171227; GB 2551468 B 20210310

DOCDB simple family (application)  
**GB 2017051059 W 20170413**; AU 2017250446 A 20170413; EP 17724865 A 20170413; GB 201606453 A 20160413