

Title (en)  
UNIT FOR PURIFYING AIR BY PHOTOCATALYSIS

Title (de)  
EINHEIT ZUR LUFTREINIGUNG MITTELS FOTOKATALYSE

Title (fr)  
ENSEMBLE DE PURIFICATION D'AIR PAR PHOTOCATALYSE

Publication  
**EP 2566526 A1 20130313 (FR)**

Application  
**EP 11725133 A 20110506**

Priority  
• FR 1053548 A 20100506  
• FR 2011051033 W 20110506

Abstract (en)  
[origin: WO2011138569A1] The invention relates to an air-purification unit (10) which includes: a chamber (20) including an air intake for intaking polluted air, an air outlet through which purified air is to pass, and a base (23) provided with a means for performing forced air circulation; a removable cartridge (30) suitable for engaging with the base (23) in order to be housed in said chamber (20), said cartridge (30), which is suitable for having the polluted air circulating through the chamber (20) pass therethrough in order to purify same, including at least one consumable photocatalytic cell (60) having a photocatalytic filter (61) and a light source (62) intended for irradiating said filter (61).

IPC 8 full level  
**A61L 9/20** (2006.01); **B01D 27/08** (2006.01); **B01D 53/88** (2006.01); **B01J 19/12** (2006.01)

CPC (source: EP)  
**A61L 9/205** (2013.01); **B01D 53/75** (2013.01); **A61L 2209/12** (2013.01); **A61L 2209/133** (2013.01); **A61L 2209/14** (2013.01); **A61L 2209/16** (2013.01); **B01D 53/72** (2013.01); **B01D 53/8668** (2013.01); **B01D 2255/2022** (2013.01); **B01D 2255/20707** (2013.01); **B01D 2255/2073** (2013.01); **B01D 2255/802** (2013.01); **B01D 2257/708** (2013.01); **B01D 2257/91** (2013.01); **B01D 2258/06** (2013.01); **B01D 2259/4508** (2013.01)

Citation (search report)  
See references of WO 2011138569A1

Citation (examination)  
US 7175814 B2 20070213 - DIONISIO JAMES L [US]

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 2011138569 A1 20111110**; EP 2566526 A1 20130313; FR 2959672 A1 20111111; FR 2959672 B1 20120525

DOCDB simple family (application)  
**FR 2011051033 W 20110506**; EP 11725133 A 20110506; FR 1053548 A 20100506