

Title (en)  
HUMIDIFIER UTILIZING FILTERED WATER

Title (de)  
BEFEUCHTER MIT GEFILTERTEM WASSER

Title (fr)  
HUMIDIFICATEUR UTILISANT DE L'EAU FILTRÉE

Publication  
**EP 3259535 A1 20171227 (EN)**

Application  
**EP 15882829 A 20150217**

Priority  
US 2015016140 W 20150217

Abstract (en)  
[origin: WO2016133491A1] A humidifier is provided that typically includes a water filtration unit and a pump that draws filtered water from the water filtration unit, typically a carbon nanotube filter. The humidifier further includes a nozzle having an outlet orifice, wherein the nozzle is connected to the pump, where the pump forces the filtered water through the nozzle, thereby expelling the filtered water into an atmosphere in the form of a purified vapor or mist.

IPC 8 full level  
**B01D 39/06** (2006.01); **B82Y 30/00** (2011.01); **F24F 6/14** (2006.01); **F24F 13/28** (2006.01)

CPC (source: EP)  
**B82Y 30/00** (2013.01); **F24F 6/14** (2013.01); **C02F 1/001** (2013.01); **C02F 1/283** (2013.01); **C02F 2103/023** (2013.01); **C02F 2305/08** (2013.01); **F24F 2006/006** (2013.01); **F24F 2006/146** (2013.01); **Y02B 30/54** (2013.01)

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 2016133491 A1 20160825**; AU 2015383149 A1 20170907; EP 3259535 A1 20171227; EP 3259535 A4 20181010; MX 2017010538 A 20180223

DOCDB simple family (application)  
**US 2015016140 W 20150217**; AU 2015383149 A 20150217; EP 15882829 A 20150217; MX 2017010538 A 20150217