

Title (en)  
AIR HUMIDIFIER

Title (de)  
LUFTBEFEUCHTER

Title (fr)  
HUMIDIFICATEUR D'AIR

Publication  
**EP 3961116 A4 20230111 (EN)**

Application  
**EP 20794601 A 20200410**

Priority  
• RU 2019112806 A 20190426  
• RU 2020050072 W 20200410

Abstract (en)  
[origin: EP3961116A1] The invention relates to electrical engineering, more specifically to air humidifiers for creating an artificial microclimate and can be used to increase humidity in any rooms or offices. The humidifier solves a technical problem of increasing an evaporation surface of an evaporative filter. The forced uniform distribution of air flow on the surface of the evaporative filter and a free passage of air through said filter leads to an increase in air exchange inside a box and increases a rate of separation of water molecules from the surface of the evaporative filter, which leads to increased air humidifying efficiency in the room and to increased humidifier performance.

IPC 8 full level  
**F24F 6/02** (2006.01)

CPC (source: EP RU)  
**F24F 6/00** (2013.01 - RU); **F24F 6/043** (2013.01 - EP); **F24F 13/20** (2013.01 - EP)

Citation (search report)  
• [I] DE 1094429 B 19601208 - DEUTSCHE TELEPHONWERK KABEL  
• [A] CN 108870574 A 20181123 - JIANGSU ZHONGKE RUISAI POLLUTION CONTROL ENG CO LTD  
• [I] DE 202016104471 U1 20160819 - CERBERUS AG [CH]  
• [A] CN 204987342 U 20160120 - SU ZHENGBING  
• [A] CN 1410722 A 20030416 - SANYO ELECTRIC CO [JP]  
• See also references of WO 2020218947A1

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)  
**EP 3961116 A1 20220302**; **EP 3961116 A4 20230111**; **EP 3961116 B1 20240717**; **EP 3961116 C0 20240717**; CA 3138171 A1 20201029;  
CA 3138171 C 20240130; CN 113924448 A 20220111; RU 2722977 C1 20200605; WO 2020218947 A1 20201029

DOCDB simple family (application)  
**EP 20794601 A 20200410**; CA 3138171 A 20200410; CN 202080042423 A 20200410; RU 2019112806 A 20190426;  
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