

Title (en)  
INDOOR AIR PURIFIER

Title (de)  
INNENRAUMLUFTREINIGER

Title (fr)  
PURIFICATEUR D'AIR INTÉRIEUR

Publication  
**EP 3638958 A4 20210324 (EN)**

Application  
**EP 18818897 A 20180611**

Priority  
• FI 20175548 A 20170613  
• FI 2018050436 W 20180611

Abstract (en)  
[origin: WO2018229330A1] The invention relates to an indoor air purifier, comprising a frame case (1); inside the frame case a fan (2) rotated with an electric motor, and at least one filter (3,4,5); in the frame case an air inlet (6) and outlet (7); whereby the fan is arranged to generate an airflow traveling from the inlet via the filter to the outlet. According to the invention, an active noise reduction arrangement is provided inside the frame case (1) in the airflow between the inlet and the outlet.

IPC 8 full level  
**F24F 13/24** (2006.01); **B01D 46/42** (2006.01); **F24F 3/16** (2021.01); **F24F 8/108** (2021.01); **F24F 8/158** (2021.01); **F24F 8/80** (2021.01); **G10K 11/175** (2006.01); **G10K 11/178** (2006.01)

CPC (source: EP FI)  
**B01D 46/4236** (2013.01 - FI); **F24F 3/16** (2013.01 - FI); **F24F 8/108** (2021.01 - EP); **F24F 8/158** (2021.01 - EP); **F24F 8/80** (2021.01 - EP); **F24F 13/24** (2013.01 - EP FI); **G10K 11/17857** (2017.12 - EP); **G10K 11/17873** (2017.12 - EP); **B01D 46/4236** (2013.01 - EP); **F24F 2013/247** (2013.01 - EP); **G10K 2210/105** (2013.01 - EP); **G10K 2210/109** (2013.01 - EP)

Citation (search report)  
• [Y] CN 205299772 U 20160608 - SUZHOU HEAR ACOUSTIC TECH LTD  
• [Y] WO 2008090544 A2 20080731 - SILENTIUM LTD [IL], et al  
• [Y] CN 106016525 A 20161012 - YIN XIAODONG  
• See references of WO 2018229330A1

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 2018229330 A1 20181220**; CN 110741209 A 20200131; EP 3638958 A1 20200422; EP 3638958 A4 20210324; FI 129173 B 20210831; FI 20175548 A1 20181214

DOCDB simple family (application)  
**FI 2018050436 W 20180611**; CN 201880039457 A 20180611; EP 18818897 A 20180611; FI 20175548 A 20170613