

Title (en)  
AIR PURIFIER AND SMART WALL

Title (de)  
LUFTREINIGER UND INTELLIGENTE WAND

Title (fr)  
PURIFICATEUR D'AIR ET PAROI INTELLIGENTE

Publication  
**EP 4030110 A4 20231004 (EN)**

Application  
**EP 19944656 A 20190924**

Priority  
• KR 20190112286 A 20190910  
• KR 2019012377 W 20190924

Abstract (en)  
[origin: EP4030110A1] An air purifier comprises: a body including a discharge port on one side thereof; a blowing fan mounted on the body; a filter through which air introduced into the blowing fan passes; an exhaust chamber connected to the discharge port, and including a plurality of vents; and a plurality of airflow volume sensing units positioned so as to be adjacent to the plurality of vents, wherein each of the airflow volume sensing units comprises: a rotating fan rotated by air passing therethrough; a magnet positioned on the rotating fan; and a Hall sensor generating a signal when the magnet is adjacent thereto, wherein the airflow volume passing through the vents is determined on the basis of the period of the signal sensed by the Hall sensor. The air purifier can supply purified air to both sides of a smart wall, and can sense and adjust the amount of air discharged through each vent.

IPC 8 full level  
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CPC (source: EP KR)  
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Citation (search report)  
• [YA] EP 0787952 A2 19970806 - TORNEX INC [JP]  
• [YA] KR 20120119870 A 20121031 - SHINWOO AIRPASS CO LTD [KR], et al  
• [Y] KR 200465329 Y1 20130213  
• [A] US 5264015 A 19931123 - MATSUI SHIGEO [JP]

Designated contracting state (EPC)  
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