

Title (en)  
AIR PURIFYING MACHINE AND PROCESS

Title (de)  
LUFTREINIGUNGSGERÄT UND VERFAHREN

Title (fr)  
MACHINE ET PROCÉDÉ DE PURIFICATION D'AIR

Publication  
**EP 4103308 A1 20221221 (EN)**

Application  
**EP 21753066 A 20210215**

Priority  
• US 202016792159 A 20200214  
• US 202117152280 A 20210119  
• US 2021018133 W 20210215

Abstract (en)  
[origin: WO2021163674A1] An air purifying machine comprising a housing, for housing a plurality of cores, a fan, and a pump. The pump is configured to circulate a fluid inside of the housing. The cores comprise at least two cores comprising a first core and a second core, wherein the second core is disposed inside of the first core and wherein the second core is not concentric with the first core. The non-concentric nature of the cores creates a compression location at a point where the two cores are disposed closest to each other. This compression location creates a higher-pressure location for air flow around the cores. The different size of the openings for air to circulate between the cores creates air turbulence which results in greater interaction between the incoming air and the bioreactive fluid solution inside of the air purification system.

IPC 8 full level  
**B01D 53/34** (2006.01); **A61L 9/14** (2006.01); **B01D 53/84** (2006.01)

CPC (source: EP)  
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Citation (search report)  
See references of WO 2021163674A1

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KH MA MD TN

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