

Title (en)  
AIR CLEANER

Title (de)  
LUFTREINIGER

Title (fr)  
PURIFICATEUR D'AIR

Publication  
**EP 3741987 A4 20210113 (EN)**

Application  
**EP 18901096 A 20180117**

Priority  
JP 2018001278 W 20180117

Abstract (en)  
[origin: EP3741987A1] An air cleaner (39) is provided with a cleaner container (45) that forms a dirty chamber (51a) communicating with outside air and a clean chamber (51b) communicating with a supply destination for cleaned air, a cleaner element (49) that is disposed within the cleaner container (45) between the dirty chamber (51a) and the clean chamber (51b), and a connecting tube (47) that is fixed to the cleaner container (45), opens in a space of the clean chamber (51b) via an upstream end within the clean chamber (51b), and provides communication between the clean chamber (51b) and the supply destination. A double pipe part (56) is provided at the upstream end of the connecting tube (47) along an outer periphery of the connecting tube (47). Accordingly, it is possible to provide an air cleaner that realizes flow alignment effectively in a small space.

IPC 8 full level  
**F02M 35/02** (2006.01); **F02M 35/10** (2006.01)

CPC (source: EP)  
**F02M 35/0204** (2013.01); **F02M 35/10039** (2013.01); **F02M 35/162** (2013.01)

Citation (search report)

- [X] US 2009165741 A1 20090702 - KUBO KATSUHIRO [JP], et al
- [I] EP 2366884 A2 20110921 - HONDA MOTOR CO LTD [JP]
- [I] US 2006124379 A1 20060615 - OHIRA MASARU [JP], et al
- See references of WO 2019142279A1

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)  
**EP 3741987 A1 20201125; EP 3741987 A4 20210113; EP 3741987 B1 20220420**; BR 112020013730 A2 20201201; CN 111655996 A 20200911; CN 111655996 B 20221014; JP 6886050 B2 20210616; JP WO2019142279 A1 20210107; PH 12020500596 A1 20210614; WO 2019142279 A1 20190725

DOCDB simple family (application)  
**EP 18901096 A 20180117**; BR 112020013730 A 20180117; CN 201880087001 A 20180117; JP 2018001278 W 20180117; JP 2019566041 A 20180117; PH 12020500596 A 20200709