

Title (en)  
INTAKE AIR PURIFYING DEVICE

Title (de)  
ANSAUGLUFTREINIGER

Title (fr)  
DISPOSITIF DE PURIFICATION D'AIR D'ADMISSION

Publication  
**EP 4060181 A4 20221026 (EN)**

Application  
**EP 19952649 A 20191114**

Priority  
JP 2019044772 W 20191114

Abstract (en)  
[origin: EP4060181A1] The present invention is directed to effectively utilize inertia of intake air to enable improving intake efficiency of an intake air purifying device. The intake air purifying device includes: an air cleaner box 50 having an inside divided into a dirty side 50D and a clean side 50C by an air cleaner element 52; and an intake duct 53 for introducing outside air, as intake air W, to the dirty side 50D, in which: a guide member 60 for guiding the intake air W is provided in the dirty side 50D; the guide member 60 includes a guide surface 65 having a curved surface; and the intake air W to be introduced from the intake duct 53 to the dirty side 50D is guided along the guide surface 65 toward an inlet surface 52a of an intake air W in the air cleaner element 52.

IPC 8 full level  
**F02M 35/024** (2006.01); **F02M 35/10** (2006.01); **F02M 35/16** (2006.01)

CPC (source: EP)  
**F02M 35/024** (2013.01); **F02M 35/10013** (2013.01); **F02M 35/10262** (2013.01); **F02M 35/162** (2013.01)

Citation (search report)

- [X] FR 2972226 A1 20120907 - HONDA MOTOR CO LTD [JP]
- [A] JP 2008025396 A 20080207 - MAZDA MOTOR
- See references of WO 2021095214A1

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

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Designated validation state (EPC)  
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**EP 19952649 A 20191114**; BR 112022009020 A 20191114; CN 201990001471 U 20191114; JP 2019044772 W 20191114; JP 2021555731 A 20191114