

Title (en)
DUST COLLECTING DEVICE

Title (de)
STAUBSAMMELVORRICHTUNG

Title (fr)
DISPOSITIF DÉPOUSSIÉRANT

Publication
EP 2915473 B1 20180103 (EN)

Application
EP 15157491 A 20150304

Priority
JP 2014044597 A 20140307

Abstract (en)
[origin: EP2915473A1] A dust collecting device includes a mesh filter 13 provided between a swirling unit 11 and an airflow outlet 10 in a cylinder 8 which constitutes a cyclonic separating unit 5. Further, the mesh filter 13 includes a reticulated cylinder body 16 having an airflow-outlet-side opening 14 connected to the airflow outlet 10 and a swirling-unit-side opening 15 directed to the swirling unit 11 and a reticulated cover 17 configured to cover the swirling-unit-side opening 15 of the reticulated cylinder body 16. The reticulated cover 17 includes a protrusion portion axially protruding toward the swirling unit 11 at the center thereof and has such a shape that the reticulated cover 17 is gradually inclined from the protrusion portion toward the airflow outlet 10 up to an outer peripheral portion thereof.

IPC 8 full level
A47L 9/16 (2006.01); **A47L 7/04** (2006.01); **B04C 5/13** (2006.01)

CPC (source: EP)
A47L 7/04 (2013.01); **A47L 9/1608** (2013.01); **A47L 9/1641** (2013.01); **A47L 9/1666** (2013.01); **A47L 9/1683** (2013.01); **B04C 5/13** (2013.01); **B04C 2009/004** (2013.01)

Cited by
CN107495900A; US12075966B2; US11006798B2; US11779178B2; US11452409B2; US11534043B2; US11445872B2; US11534041B2; US11745190B2; US11445871B2; US11889969B2

Designated contracting state (EPC)
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