Air Filter Housing

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References Cited

U.S. PATENT DOCUMENTS
D367,915 S * 3/1996 Daugherty D13/162

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The ornamental design for a air filter housing, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of an air filter housing showing our design.
FIG. 2 is a right side view thereof.
FIG. 3 is a front view thereof.
FIG. 4 is a rear view thereof.
FIG. 5 is a left side view thereof.
FIG. 6 is a top view thereof.
FIG. 7 is another perspective view thereof.
FIG. 8 is a perspective view of a second embodiment.
FIG. 9 is a rear view thereof.
FIG. 10 is a left side view thereof.
FIG. 11 is a front view thereof.
FIG. 12 is another perspective view thereof.
FIG. 13 is a top view thereof.
FIG. 14 is a right side view thereof.
FIG. 15 is a perspective view of a third embodiment.
FIG. 16 is a right side view thereof.
FIG. 17 is a rear view thereof.
FIG. 18 is a front view thereof.
FIG. 19 is a top view thereof.
FIG. 20 is another perspective view thereof.
FIG. 21 is a left side view thereof.
FIG. 22 is a perspective view of a fourth embodiment.
FIG. 23 is a right side view thereof.
FIG. 24 is a rear view thereof.
FIG. 25 is a front view thereof.
FIG. 26 is a left side view thereof.
FIG. 27 is a top view thereof.
FIG. 28 is another perspective view thereof.
FIG. 29 is a front view of a fifth embodiment.
FIG. 30 is a right side view thereof.
FIG. 31 is a perspective view thereof.
FIG. 32 is another perspective view thereof.
FIG. 33 is a rear view thereof.
FIG. 34 is a left side view thereof, and,
FIG. 35 is a top view thereof.

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See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

7,662,203 B2* 2/2010 Scott B01D 46/0001
8,273,143 B2* 9/2012 Coulonvaux B01D 46/0005
55344

D705,412 S * 5/2014 Dworatzek D23/365
D752,727 S * 3/2016 Tracey D23/360
D762,293 S * 7/2016 Grosche D23/365
D762,834 S * 8/2016 Kaufmann D23/365
D785,139 S * 4/2017 Gansler D23/259

* cited by examiner
FIG. 31

FIG. 32