

Title (en)
AIR CLEANER FOR INTERNAL COMBUSTION ENGINE

Title (de)
LUFTFILTER FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)
FILTRE A AIR POUR MOTEUR À COMBUSTION INTERNE

Publication
EP 3339623 B1 20191023 (EN)

Application
EP 17206908 A 20171213

Priority
JP 2016251933 A 20161226

Abstract (en)
[origin: EP3339623A1] An air cleaner for an internal combustion engine includes a case (20) including a case body (21) with an opening (22), and an inlet duct (26) formed integrally with the case body (21). The case (20) includes a first case molding (30) and a second case molding (35). The first case molding (30) includes an opening-side circumferential wall portion (31) surrounding the opening (22) of the case body (21), and a first inlet duct half (32) in a semi-cylindrical shape extending continuously with the opening-side circumferential wall portion (31). The second case molding (35) includes a bottom wall (24) of the case body (21), a bottom-wall-side circumferential wall portion (36) formed continuously with the bottom wall (24), and a second inlet duct half (37) in a semi-cylindrical shape extending continuously with the bottom-wall-side circumferential wall portion (36). The circumference of the opening-side circumferential wall portion (31) and the circumference of the bottom-wall-side circumferential wall portion (36) are joined to each other to form the case body (21). The circumference of the first inlet duct half (32) and the circumference of the second inlet duct half (37) are joined to each other to form the inlet duct (26).

IPC 8 full level
F02M 35/02 (2006.01); **F02M 35/024** (2006.01); **F02M 35/10** (2006.01); **F02M 35/12** (2006.01); **F02M 35/14** (2006.01)

CPC (source: EP)
F02M 35/0202 (2013.01); **F02M 35/0204** (2013.01); **F02M 35/024** (2013.01); **F02M 35/10321** (2013.01); **F02M 35/10347** (2013.01); **F02M 35/1036** (2013.01); **F02M 35/1261** (2013.01); **F02M 35/14** (2013.01); **F02M 35/0203** (2013.01)

Citation (examination)

- WO 2013117988 A1 20130815 - UFI FILTERS SPA [IT]
- US 2015267655 A1 20150924 - MADEIRA PEDRO MIGUEL PEREIRA [DE]
- US 2015075126 A1 20150319 - SCHMID DANIEL [DE], et al
- US 2007251392 A1 20071101 - TSCHECH THOMAS [DE], et al
- US 2007175187 A1 20070802 - KOPEC EDVARD [DE], et al

Cited by
US11525425B2; EP3480450A1

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

DOCDB simple family (publication)
EP 3339623 A1 20180627; **EP 3339623 B1 20191023**; JP 2018105217 A 20180705; JP 6790809 B2 20201125; PL 3339623 T3 20200430

DOCDB simple family (application)
EP 17206908 A 20171213; JP 2016251933 A 20161226; PL 17206908 T 20171213