

Title (en)

Air filter for combustion engine

Title (de)

Luftfilter für eine Brennkraftmaschine

Title (fr)

Filtre à air pour moteur à combustion interne

Publication

EP 2305992 A3 20130501 (DE)

Application

EP 10174131 A 20100826

Priority

DE 102009048209 A 20091005

Abstract (en)

[origin: EP2305992A2] The filter has two air inlet openings opened against surroundings at a valve, and a round filter element (14) arranged between air inlet openings and an air outlet opening. One of the air inlet opening is connected with an intake pipe for intake of outside air, and another air inlet opening is equipped with umbrella valves (27, 28), which close or open the latter air inlet opening. The umbrella valves are supported on a sealing edge and comprise elastomer material. A region of the latter air inlet opening is provided with a frame (22).

IPC 8 full level

F02M 35/024 (2006.01); **F02M 35/02** (2006.01); **F02M 35/04** (2006.01); **F02M 35/08** (2006.01)

CPC (source: EP)

F02M 35/0203 (2013.01); **F02M 35/0204** (2013.01); **F02M 35/024** (2013.01); **F02M 35/04** (2013.01); **F02M 35/082** (2013.01); **F02M 35/088** (2013.01)

Citation (search report)

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- [IY] DE 10332453 A1 20050203 - BAYERISCHE MOTOREN WERKE AG [DE]
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- [A] JP 2008232111 A 20081002 - TOYOTA MOTOR CORP
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WO2022038073A1

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 SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 10174131 A 20100826; DE 102009048209 A 20091005