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NAMES

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DESIGNATIONS

National AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW

Regional European Patent Office (EPO):AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR

African Intellectual Property Organization (OAPI):BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO):BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Office (EAPO):AM, AZ, BY, KG, KZ, RU, TJ, TM

Withdrawn Designations None

Excluded Designations None

DECLARATIONS

Declarations under Rule 4.17 Yes

TITLE & ABSTRACT

Title

[EN] VENTURI EFFECT AIR FILTER FOR AUTOMOBILES

[FR] FILTRE À AIR À EFFET VENTURI POUR AUTOMOBILES

Abstract

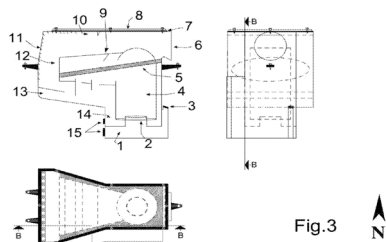
[EN] The design and fabrication of a permanent air filtering device based on venturi effect, which is washable and works by the absorption of dust particles via a liquid fluid (antifreeze or motor oil). The filter components are housed in a plastic shell and can be separated for utilization. The filtering device consists of: a nozzle; fluid charge cap; mixing chamber; ejector clamp; filter cap gasket; filter cap; damper; liquid trap; a partition; diffuser; two storage tanks; and a fluid discharge cap wherein the liquid trap and storage tank prevent the leaking of liquid in the direction of airflow during strong shocks and displacements of the filter.

[FR] L'invention concerne la conception et la fabrication d'un dispositif de filtration d'air permanent basé sur un effet Venturi, qui est lavable et fonctionne par l'absorption de particules de poussière par l'intermédiaire d'un fluide liquide (antigel ou huile de moteur). Les composants de filtre sont logés dans une coque en plastique et peuvent être séparés en vue d'une utilisation. Le dispositif de filtration est constitué : d'une buse ; d'un capuchon de charge de fluide ; d'une chambre de mélange ; d'une pince d'éjecteur ; d'un joint de capuchon de filtre ; d'un capuchon de filtre ; d'un amortisseur ; d'un piège à liquide ; d'une cloison ; d'un diffuseur ; de deux réservoirs de stockage ; et d'un capuchon de décharge de fluide dans lequel le piège à liquide et le réservoir de stockage empêchent la fuite de liquide dans la direction d'écoulement d'air pendant les chocs et les déplacements violents du filtre.

Drawings text

Figure of the drawings which should accompany the abstract 3

Formula(e) to be published with abstract No



APPLICANT SUGGESTED KEYWORDS

None

BIOLOGY

None

INTERNATIONAL SEARCH

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Nov 2021

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Version date 2006.01

Opened for Collaborative Search and Examination No

SUPPLEMENTARY INTERNATIONAL SEARCH [SIS]

None

INTERNATIONAL PRELIMINARY EXAMINATION

None