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(81) 指定国(除另有指明, 要求每一种可提供的国家保护): 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。

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(54) Title: RESONANCE UNIT, AND DIELECTRIC FILTER

(54) 发明名称: 一种谐振单元和介质滤波器

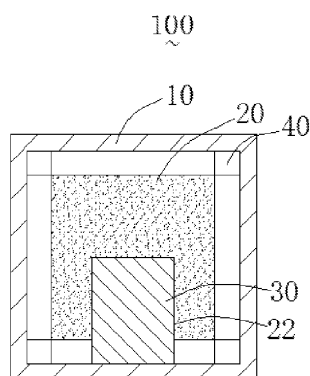


图 1

(57) Abstract: Provided in the embodiments of the present invention are a dielectric resonance unit, comprising a cavity, a supporting frame, a resonator and a cover plate. The cavity is formed as a sealed space; one surface of the cavity is a cover plate surface; the resonator is composed of a dielectric resonance block and a resonance rod; the resonator is installed in the cavity; the supporting frame is installed at any position between the resonator and an inner wall of the cavity, matches any shape of the resonator and of the cavity and is fixedly connected to the resonator and the cavity; one hole for containing the resonance rod is at least provided in the dielectric resonance block; and the resonance rod is in non-electric connection with the dielectric resonance block. In the embodiments of the present invention, a through hole or a blind hole is provided in the dielectric resonance block, and the dielectric resonance rod or a metal resonance rod is placed in the through hole and the blind hole, such that the frequency is reduced, and related technical problems are effectively solved.

(57) 摘要: 本发明实施例介质谐振单元, 包括空腔、支撑架、谐振器和盖板; 空腔为密封的空间构成, 其中空腔的一个面为盖板面; 谐振器由介质谐振块和谐振杆组成; 谐振器安装在空腔中, 支撑架安装在谐振器和空腔的内壁之间的任意位置并且匹配谐振器和空腔任意形状并连接固定, 其中, 介质谐振块上至少设有一个收容该谐振杆的孔, 谐振杆与介质谐振块之间非电连接。本发明实施例在介质谐振块上设置通孔或是盲孔, 在通孔和盲孔中放入介质谐振杆或金属谐振杆, 降低频率, 有效的解决了相关的技术问题。

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NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), 欧亚 (AM, AZ, BY, KG, KZ, RU, TJ, TM), 欧洲 (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), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG)。

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— 包括国际检索报告 (条约第21条(3))。