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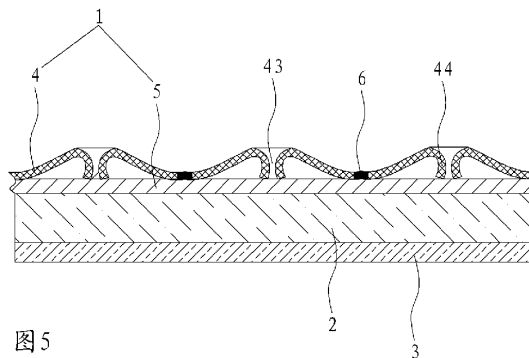
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(81) 指定国(除另有指明, 要求每一种可提供的国家保护): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, 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: ULTRASONIC THREE-DIMENSIONAL ABSORBER AND PREPARATION METHOD THEREFOR

(54) 发明名称: 一种超声波立体吸收体及其制备方法



(57) Abstract: An ultrasonic three-dimensional absorber, comprising a non-woven fabric surface layer (1), an absorbent core body (2), and a liquid impermeable bottom layer (3); the non-woven fabric surface layer (1) comprises upper layer non-woven fabrics (4) and a lower layer non-woven fabric (5); the upper layer non-woven fabrics (4) are hot air molded from a first three-dimensional spiral crimped fiber (41) and a second three-dimensional spiral crimped fiber (42); the lower layer non-woven fabric (5) is hot air molded from a first two-dimensional crimped fiber (51) and a second two-dimensional crimped fiber (52); a plurality of upper layer air-permeable holes (43) are provided on the upper layer non-woven fabrics (4); the upper layer non-woven fabrics (4) and the lower layer non-woven fabric (5) form a plurality of embossed lines (6) by means of ultrasonic hot pressing; various embossed lines (6) form a plurality of surrounding regions; each surrounding region consists of a plurality of surrounding edges, two adjacent surrounding edges not being connected; and the various upper layer air-permeable holes (6) are located within the various surrounding regions. The present invention solves the technical problem in which existing non-woven fabric lacks softness and dryness retention. In addition, also provided is a preparation method for an ultrasonic three-dimensional absorber.

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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)。

本国际公布：

— 包括国际检索报告 (条约第21条(3))。

(57) 摘要：一种超声波立体吸收体，包括无纺布面层(1)、吸收芯体(2)、不透液性底层(3)，无纺布面层(1)包括上层无纺布(4)、下层无纺布(5)，上层无纺布(4)由第一三维螺旋卷曲纤维(41)、第二三维螺旋卷曲纤维(42)热风成型；下层无纺布(5)由第一二维卷曲纤维(51)、第二二维卷曲纤维(52)热风成型，上层无纺布(4)上设有复数个上层透气孔(43)，上层无纺布(4)与下层无纺布(5)通过超声波热压合的方式形成复数条压纹(6)，各压纹(6)组成复数个包围区，各包围区由复数条包围边组成，相邻两包围边之间不相连，各上层透气孔(43)位于各包围区内。其解决了现有无纺布在柔软度、干爽保持度欠缺的技术问题。另外，还提供了一种超声波立体吸收体的制备方法。