

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局

(43) 国际公布日
2013 年 5 月 30 日 (30.05.2013)



(10) 国际公布号
WO 2013/075652 A1

(51) 国际专利分类号:
A47J 31/36 (2006.01)

(21) 国际申请号: PCT/CN2012/085138

(22) 国际申请日: 2012 年 11 月 23 日 (23.11.2012)

(25) 申请语言: 中文

(26) 公布语言: 中文

(30) 优先权:
201110380546.0 2011 年 11 月 25 日 (25.11.2011) CN
201210164680.1 2012 年 5 月 25 日 (25.05.2012) CN

(71) 申请人: 九阳股份有限公司 (JOYOUNG COMPANY LIMITED) [CN/CN]; 中国山东省济南市槐荫区新沙北路 12 号, Shandong 250118 (CN)。

(72) 发明人: 王旭宁 (WANG, Xuning); 中国山东省济南市槐荫区新沙北路 12 号, Shandong 250118 (CN)。
纪昌罗 (JI, Changluo); 中国山东省济南市槐荫区新沙北路 12 号, Shandong 250118 (CN)。 詹永权

(ZHAN, Yongquan); 中国山东省济南市槐荫区新沙北路 12 号, Shandong 250118 (CN)。

(74) 代理人: 北京集佳知识产权代理有限公司 (UNITALEN ATTORNEYS AT LAW); 中国北京市朝阳区建国门外大街 22 号赛特广场 7 层, Beijing 100004 (CN)。

(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, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, 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, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW。

(84) 指定国 (除另有指明, 要求每一种可提供的地区保护): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA,

[见续页]

(54) Title: SOYBEAN MILK PREPARATION METHOD OF SOYBEAN MILK PREPARATION EQUIPMENT

(54) 发明名称: 一种豆浆制备设备的豆浆制作方法

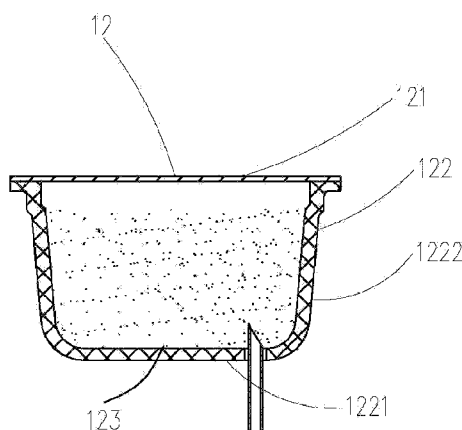


图 2 / Fig. 2

(57) Abstract: Disclosed is a soybean milk preparation method of soybean milk preparation equipment. The soybean milk preparation equipment comprises a machine base (11), a holding device (13) for carrying a material packet (12), a liquid supply mechanism (14) and an injection head (15), wherein the holding device, the liquid supply mechanism and the injection head are arranged on the machine base, and one end of the injection head is in communication with the liquid supply mechanism and the other end thereof is aligned with the material packet. The material packet comprises a container (122) and a diaphragm (121) for sealing the container, the container comprising a bottom wall (1221) and a side wall (1222) extending upwards from the bottom wall, and the diaphragm covering an opening of the container. The soybean milk preparation method comprises the following steps: (a) the injection head passes through the diaphragm to inject a liquid into the material packet, and the liquid penetrates a soybean powder layer to reach a planar, concave or convex splashing part at the bottom of the material packet to form a fluid flow channel; and (b) the injection head continues to inject the liquid into the material packet, the liquid is splashed by the splashing part to gradually dissolve the soybean powder upwards from the bottom of the material packet until the soybean powder is completely dissolved. A discharge hole is provided, and soybean milk in the material packet is pressurized and discharged via the discharge hole.

(57) 摘要:

[见续页]

WO 2013/075652 A1



RW, SD, SL, 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, 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))。

一种豆浆制备设备的豆浆制作方法，豆浆制备设备包括机座（11）、承载料包（12）的保持器（13）、供液机构（14）及注射头（15），保持器、供液机构及注射头设置在机座上，注射头的一端与供液机构连通，另一端对准料包；料包包括容器（122）及密闭容器的膜片（121），容器包括底壁（1221）及由底壁向上延伸的侧壁（1222），膜片遮蔽容器的敞口；豆浆制作方法包括如下步骤：（a）注射头穿过膜片注射液体至料包内，液体穿透豆粉层至料包底部的平面、凹面或凸面反溅部形成液流通道；（b）注射头持续向料包内注射液体，液体经反溅部反溅从料包的底部向上逐渐溶解豆粉直到完全溶解豆粉，提供引出孔，料包内的豆浆经引出孔挤压排出。