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(54) **Title:** AUTOMATIC INK-JET PRINTING MACHINE

(54) 发明名称: 自动喷码机

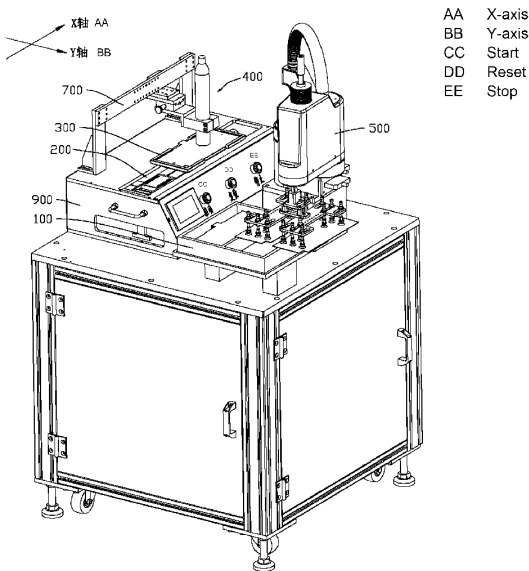


图 1

(57) **Abstract:** An automatic ink-jet printing machine, comprising a placement frame (100), a single-axis moving module (200), a jig (300), a positioning mechanism (600), an ink-jet printing module (400) and a manipulator (500), wherein the placement frame (100) is internally provided with a waiting chamber (110) and a finished product chamber (120); the single-axis moving module (200) is arranged on one side of the placement frame (100), and is provided with a loading and unloading station and an ink-jet printing station sequentially arranged in a conveying direction of the single-axis moving module; the ink-jet printing module (400) is arranged at the ink-jet printing station, and is configured to perform ink-jet printing on a product; the positioning mechanism (600) is arranged at the single-axis moving module (200), and is provided with at least one positioning protrusion (610); the jig (300) is provided with at least one positioning hole (330) corresponding to the positioning protrusion (610), the jig (300) is arranged at the positioning mechanism (600), and the positioning protrusion (610) is inserted into the corresponding positioning hole (330); and the manipulator (500) is arranged at one side of the placement frame (100), and is configured to take a product from the waiting chamber (110), convey the product to the jig (300) located in the loading and

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HU, IE, IS, IT, LT, LU, LV, MC, ME, 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)。

根据细则4.17的声明:
— 发明人资格(细则4.17(iv))

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unloading station, and unload the ink-jet printed product in the jig (300) located in the loading and unloading station and move same to the finished product chamber (120).

(57) 摘要: 一种自动喷码机, 包括放置框 (100)、单轴移动模块 (200)、治具 (300)、定位机构 (600)、喷码模块 (400) 和机械手 (500), 放置框 (100) 内设置有待料腔 (110) 和成品腔 (120); 单轴移动模块 (200) 设置于放置框 (100) 的一侧, 且沿其输送方向依次设置有上下料工位和喷码工位; 喷码模块 (400) 设置于喷码工位, 并用于对产品进行喷码; 定位机构 (600) 设置于单轴移动模块 (200), 且设置有至少一个定位凸起 (610); 治具 (300) 设置有至少一个与定位凸起 (610) 相对应的定位孔 (330), 治具 (300) 设置于定位机构 (600), 且定位凸起 (610) 插接于相应的定位孔 (330) 内; 机械手 (500) 设置于放置框 (100) 的一侧, 并用于从待料腔 (110) 内取产品后输送至位于上下料工位的治具 (300) 内, 且将位于上下料工位的治具 (300) 内喷码完成的产品下料至成品腔 (120)。