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(54) Title: EJECTION MACHINE FOR PRODUCING DEGRADABLE ITEMS USED FOR FOOD

(54) 发明名称: 生产可降解食用物品的射出机

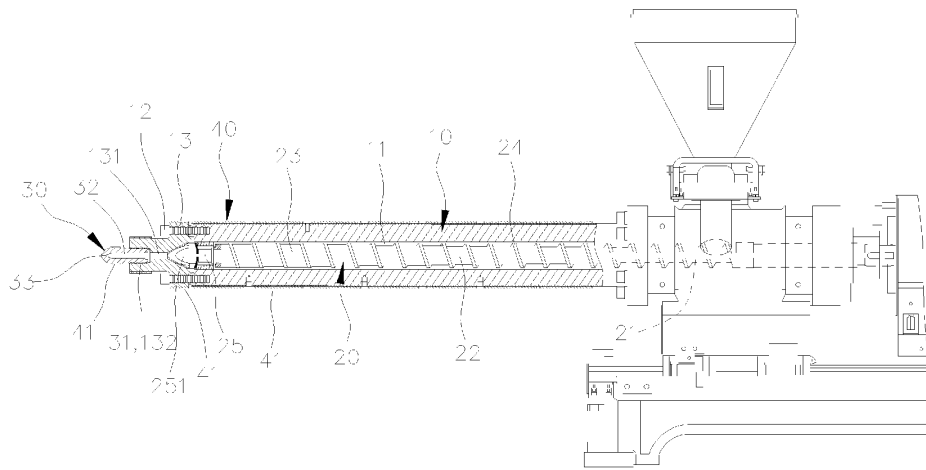


图 1

(57) Abstract: An ejection machine for producing degradable items used for food. The ejection machine includes a material pipe (10), a threaded rod (20), an ejection nozzle (30) and a heating unit (40), wherein a pipeline (11) is axially arranged inside the material pipe (10), and an ejection head (13) is assembled at the front end of the material pipe; the threaded rod (20) is arranged in the pipeline inside the material pipe (10) in a penetrating manner, the threaded rod (20) is provided with a discharge section (21), a compression section (22) and a metering section (23), and a thread (24) protrudes from an outer edge of the threaded rod (20) at the discharge section

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WO 2024/036663 A1

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— 包括国际检索报告(条约第21条(3))。

(21), the compression section (22) and the metering section (23); both the discharge section (21) and the metering section (23) are equal in diameter, the outer diameter of the metering section (23) is greater than an outer diameter of the discharge section (21), the outer diameter of the compression section (22) gradually increases from the discharge section (21) to the metering section (23), and a threaded rod head (25) is arranged at the front end of the threaded rod (20); the ejection nozzle (30) is connected to the ejection head (13) in a threaded manner; and the heating unit (40) is arranged on an outer peripheral surface of the material pipe (10), on an outer peripheral surface of the ejection head (13), and at an outer periphery of the ejection nozzle (30). By means of the ejection machine, a raw material can be liquefied more uniformly, and the flow of the liquefied raw material is uniform, such that the manufacturing speed can be increased and the manufacturing yield and quality are improved.

(57) 摘要: 一种生产可降解食用物品的射出机, 包含: 一料管(10)、一螺杆(20)、一射嘴(30)及一加热单元(40), 该料管(10)内部沿轴向设有一管道(11), 前端组设一射出头(13), 该螺杆(20)穿设于该料管(10)的管道内, 该螺杆(20)设有一下料段(21)、一压缩段(22)及一计量段(23), 该螺杆(20)外缘于该下料段(21)、该压缩段(22)及该计量段(23)处凸设有一螺牙(24), 该下料段(21)及该计量段(23)分别呈等径, 且该计量段(23)的外径大于该下料段(21)的外径, 该压缩段(22)的外径由该下料段(21)往该计量段(23)方向渐增, 该螺杆(20)前端设置一螺杆头(25), 该射嘴(30)与该射出头(13)螺接结合, 该加热单元(40)设置于该料管(10)外周面、该射出头(13)外周面及该射嘴(30)外周。该射出机可让原料更均匀液化, 且液化后的原料流动的流量均匀, 而能加快制作的速度, 提升制作良率质量。