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(54) Title: AIR COOLING MECHANISM, AIR GUIDE MEMBER, AND HEATING DEVICE

(54) 发明名称: 风冷机构、导风件及加热装置

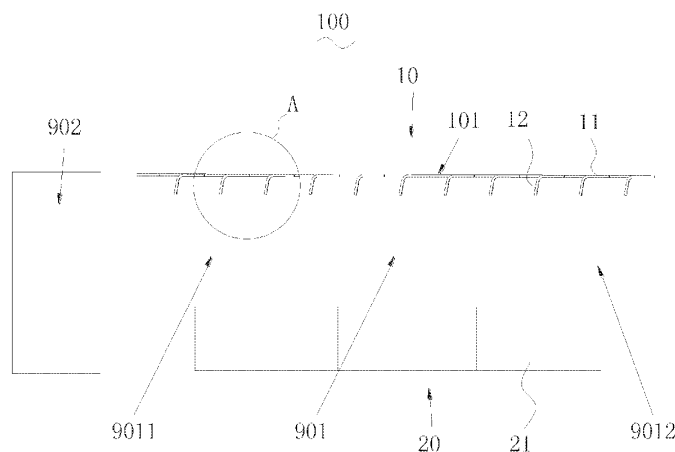


图 1

(57) Abstract: The present invention provides an air cooling mechanism, an air guide member, and a heating device. The air cooling mechanism comprises an air guide member and an air blowing member which are provided at intervals, and an air cooling region extending in a first preset direction is formed between the air guide member and the air blowing member. The air blowing member is configured to blow air towards the air guide member to form a cooling airflow. The air guide member comprises a plurality of air baffles and a plurality of flow guide plates, and the air baffles are configured to block the cooling airflow to flow out of the air cooling region; the plurality of air baffles are arranged at intervals in a second preset direction, and form air outlet gaps. One flow guide plate is connected to one air baffle and extends into the air cooling region, the flow guide plate can block the cooling airflow in the air cooling

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region from flowing towards a heating region, and guides the cooling airflow in the air cooling region to flow towards the air outlet gaps, so that the cooling airflow flows out of the air outlet gaps. The air baffles have a heat preservation effect on the heat in the air cooling region, and the flow guide plates can limit the diffusion of heat. In this way, the air cooling mechanism can cool and solidify materials in the air cooling region by means of flow of the cooling airflow.

(57) 摘要: 本发明提供了一种风冷机构、导风件及加热装置, 风冷机构包括间隔设置的导风件以及鼓风件, 二者之间形成沿第一预设方向延伸的风冷区域; 鼓风件设置成朝向导风件吹风, 形成冷却气流; 导风件包括多个挡风板及多个引流板, 挡风板设置成阻挡冷却气流流出风冷区域; 多个挡风板沿第二预设方向间隔排布, 并形成出风间隙; 一引流板连接于一挡风板并延伸至风冷区域内, 引流板能够阻挡风冷区域内的冷却气流朝向加热区域流动, 并引导风冷区域内的冷却气流朝向出风间隙流动, 以使得冷却气流由出风间隙流出。挡风板对风冷区域内的热量起到了保温作用, 同时引流板能够限制热量的扩散。这样风冷机构便能够通过空冷却气流动对风冷区域内的物料进行冷却固化。