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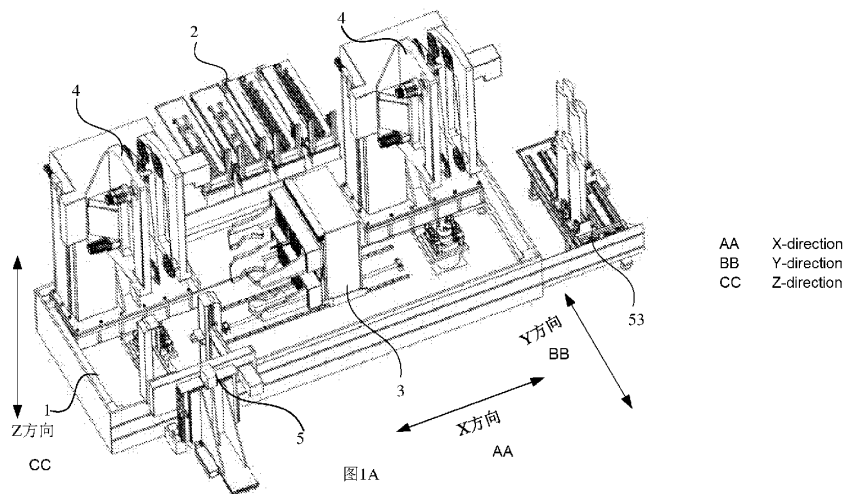
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(54) Title: SILICON ROD CUTTING SYSTEM

(54) 发明名称: 硅棒切割系统



(57) Abstract: A silicon rod cutting system, comprising: a machine base (1) having at least two cutting stations, which are arranged in a spaced manner; at least two cutting devices (4), which are fixed on the machine base, wherein the cutting devices correspond to the cutting stations on a one-to-one basis and are used for cutting silicon rods at the cutting stations; a feeding and discharging device (2), which is fixed to the machine base and is used for feeding round silicon rods and for discharging square rods, which are formed by cutting; and a transfer device (3), which is mounted on the machine base and is located between the cutting stations, wherein the transfer device is used for transferring the silicon rods, which are fed by the feeding and discharging device, to the cutting stations, and for transferring the square rods, which are formed at the cutting stations, to the feeding and discharging device. At least two cutting

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stations of the silicon rod cutting system share one feeding and discharging device and one rotating device, such that the amount of components of the silicon rod cutting system is less, and the occupied space thereof is relatively small.

(57) 摘要: 一种硅棒切割系统, 包括: 机座(1), 机座具有至少两个间隔设置的切割工位; 至少两个切割装置(4), 固定在机座之上, 切割装置和切割工位一一对应; 切割装置用于对切割工位处的硅棒进行切割; 上下料装置(2), 与机座固定; 上下料装置用于圆形的硅棒上料和切割形成的方棒下料; 转运装置(3), 安装在机座之上且位于切割工位之间; 转运装置用于将上下料装置上料的硅棒转运至切割工位, 且用于将切割工位上形成的方棒转运至上下料装置。该硅棒切割系统至少两个切割工位共用一个上下料装置和一个转动装置, 使得硅棒切割系统的部件较少, 占用的空间较小。