

Abstract

Method for Determining and Regulating a Diameter of a Single Crystal during Pulling of the Single Crystal

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The invention relates to a method for determining a diameter (d_K) of a single crystal (200) during the pulling of the single crystal (200), in particular of an end cone (210) of the single crystal (200), from a melt (230) in a crucible (130) of a device (100) for pulling the single crystal (200), wherein the diameter (d_K) of the single crystal (200) at an interface with the melt (230) is determined while taking into account a first lowering rate (v_S) of a surface (235) of the melt (230) relative to the crucible (130), a first lifting rate (v_K) with which the single crystal (200) is raised relative to the crucible (130), and a conservation of mass.

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Drawing for the Abstract: Fig.1