

Abstract

Method and apparatus for producing a single crystal

5 Method and apparatus for producing a single crystal by
means of the floating zone method, wherein the single
crystal crystallizes with the support of an induction
heating coil below a melt zone at a crystallization
boundary, and the emission of crystallization heat is
10 impeded by a reflector surrounding the single crystal,
characterized in that the single crystal is heated in
the region of an outer edge of the crystallization
boundary by means of a heating device in a first zone,
wherein a distance Δ between an outer triple point T_a at
15 the outer edge of the crystallization boundary and a
center Z of the crystallization boundary is influenced.

Fig. 2