

Abstract:**Device for pulling a single crystal**

5 The invention relates to a device for pulling a single crystal from a melt, said single crystal having a widened portion between an upper and a lower neck portion. The device comprises a pulling device having a cable drum for winding a pulling cable and a supporting device for relieving the upper neck
10 portion of the weight of the single crystal. The supporting device comprises a supporting ring having an opening and having gripping catches which are fastened on the supporting ring such that they are opposite one another and can be pivoted about the axis of a bearing, wherein the gripping catches can execute a
15 reversible pivoting movement from a waiting position into a holding position, in which they extend into the opening and under the widened portion; cable drums for winding bearing cables and auxiliary cables which are fastened on the gripping catches on both sides of the axis of the bearing of the
20 gripping catches; and auxiliary rollers for changing the cable path of the auxiliary cables, as a result of which the pivoting movement of the gripping catches is brought about.

Fig. 1