Abstract

Method for producing a single crystal composed of silicon by remelting granules

The invention relates to a method for producing a single crystal composed of silicon by remelting granules, comprising crystallizing a conically extended section of the single crystal with the aid of an induction heating coil arranged below a rotating plate composed of silicon; and feeding inductively melted silicon through a conical tube in the plate, said tube enclosing a central opening of the plate and extending below the plate, to a melt that is situated on the conically extended section of the single crystal and has contact with a tube end of the conical tube, wherein with the aid of the induction heating coil arranged below the plate, enough energy is provided in order that the external diameter of the tube end is not smaller than 15 mm as long as the conically extended section of the single crystal has a diameter of 15 to 30 mm and is crystallized.

Fig. 1