

Title (en)

METHOD AND CRUCIBLE FOR PRODUCING PARTICLE-FREE AND NITROGEN-FREE SILICON INGOTS BY MEANS OF TARGETED SOLIDIFICATION, SILICON INGOT, AND THE USE OF THE CRUCIBLE

Title (de)

VERFAHREN UND TIEGEL ZUR HERSTELLUNG VON PARTIKEL- UND STICKSTOFF-FREIEN SILICIUM-INGOTS MITTELS GERICHTETER ERSTARRUNG, SILICIUM-INGOT UND DIE VERWENDUNG DES TIEGELS

Title (fr)

PROCÉDÉ ET CREUSET PERMETTANT LA PRODUCTION DE LINGOTS DE SILICIUM EXEMPTS DE PARTICULES ET D'AZOTE PAR SOLIDIFICATION ORIENTÉE, LINGOT DE SILICIUM ET UTILISATION DU CREUSET

Publication

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Application

**EP 20724460 A 20200505**

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Abstract (en)

[origin: WO2020225244A1] The present invention relates to a method and to a crucible for producing particle-free and nitrogen-free silicon ingots by means of targeted solidification, in which method a crucible is provided, the inner surface of the crucible having a coating containing SixNy over its full surface or at least in regions, which coating is coated with a protective layer containing SiOx in order to reduce or prevent the introduction of nitrogen and SixNy particles into the silicon. The invention also relates to a silicon ingot, which is virtually free from nitrogen or SixNy particles.

IPC 8 full level

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Citation (search report)

See references of WO 2020225244A1

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