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(54) Title: CRUCIBLE FOR THE TREATMENT OF MOLTEN SILICON

(57) Abstract: The invention relates to a crucible for the treatment of molten silicon comprising a basic body with a bottom surface and lateral walls defining an inner volume. According to the invention, the basic body comprises at least 65% by weight of silicon carbide, from 12 to 30 % by weight of a constituent selected from silicon oxide or nitride. Moreover, the basic body comprises at least one silicon oxide and/or nitride coating, at least on the surfaces defining the inner volume of the crucible contrarily to the state of the art crucibles, such a crucible can be used several times without any visible degradation of its physical integrity.



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