

Title (en)

METHOD FOR PREVENTING SURFACE DEFECTS IN FLOATING FLAT GLASS, FLAT GLASS AND USE THEREOF

Title (de)

VERFAHREN ZUR VERMEIDUNG VON OBERFLÄCHENDEFEKTEN BEI GEFLOATETEM FLACHGLAS SOWIE DAS FLACHGLAS UND SEINE VERWENDUNG

Title (fr)

PROCEDE POUR EVITER DES DEFAUTS SUPERFICIELS DANS DU VERRE PLAT FLOTTE, VERRE PLAT ET SON UTILISATION

Publication

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Application

**EP 06775863 A 20060817**

Priority

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Abstract (en)

[origin: WO2007019840A1] The invention relates to a method for preventing surface deposition and/or crater-shaped hole defects during the production of floating flat glass. Said method consists of producing a glass melt, purifying said melt and floating said purified melt on the surface of the liquid metal under an inert gas atmosphere. Said method is characterised in that it i) defines the hydrogen content in the inert gas to a maximum of 7 Vol. % and ii) adjusts the oxygen partial pressure in the floating gas melt a) by means of a metal, whereby the reaction enthalpy for the oxidation  $\Delta G^\circ$  (Me /Me<SUB>x</SUB>O<SUB>y</SUB>7) is  $> -575,8 + 0.21 T[K]$  or b) by means of a metal whereby the reaction enthalpy for the oxidation  $\Delta G^\circ$  (Me /Me<SUB>x</SUB>O<SUB>y</SUB>) is  $< -575.8 + 0.21 T[K]$ .

IPC 8 full level

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CPC (source: EP KR)

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