

Title (en)

MEASURING A PROPERTY OF MOLTEN GLASS

Title (de)

MESSUNG EINER EIGENSCHAFT VON GESCHMOLZENEM GLAS

Title (fr)

MESURE D'UNE PROPRIÉTÉ DE VERRE FONDU

Publication

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Application

EP 12775278 A 20120907

Priority

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- GB 2012052199 W 20120907

Abstract (en)

[origin: WO2013034918A1] A method for determining a property of molten glass in contact with a refractory section is described. An alternating electrical current is passed through a transmitter coil positioned relative to a surface of the refractory section not in contact with molten glass. An alternating primary magnetic field is produced that passes through the refractory section into the molten glass to induce eddy currents in the molten glass. The eddy currents produce a secondary magnetic field that interacts with a receiver coil. By measuring the interaction between the receiver coil and the secondary magnetic field the property of the molten glass can be determined. The method is particularly useful for determining the thickness of the refractory section, which may be a portion of the bottom of a glassmaking furnace. Apparatus for determining the thickness of a refractory section of a glassmaking furnace is also described.

IPC 8 full level

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Citation (search report)

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Citation (examination)

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