

Title (en)

METHOD FOR DETERMINING THE TIME OF IGNITION IN THE TOP-BLOWING PROCESS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM BESTIMMEN DES ZEITPUNKTES DER ZÜNDUNG BEIM AUFBLASVERFAHREN IN EINEM STAHLKONVERTER

Title (fr)

PROCÉDÉ POUR DÉTERMINER LE MOMENT DE L'ALLUMAGE LORS DU PROCÉDÉ DE SOUFFLAGE PAR LE HAUT

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Application

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Abstract (en)

[origin: WO2011151143A2] The invention relates to a method for determining the time of ignition in the top-blowing process, in particular in the LD process, in a steel converter (1), the radiation that is produced during the ignition and is emitted between the converter mouth and the extractor hood (5) being detected. To allow reliable determination of the time of ignition, it is provided that, at the earliest beginning with the oxygen blowing or when a certain O₂ through-flow is reached, a number of successive images of the same region between the converter mouth and the extractor hood (5) are recorded by means of a sensor (14), which comprises a number of photodiodes each corresponding to an image dot, preferably by means of a CCD image sensor, a variation of the radiation intensity over time is determined on the basis of the radiation intensity measured by the photodiodes and that point in time at which a predetermined radiation intensity or a predetermined rise in the radiation intensity is reached is established as the time of ignition.

IPC 8 full level

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