

Title (en)

INFRARED HEATING METHOD AND APPARATUS FOR CURING REFRACTORIES

Title (de)

INFRAROT-VERFAHREN UND VORRICHTUNG ZUR HÄRTUNG VON FEUERFESTEN WERKSTOFFEN

Title (fr)

PROCEDE DE CHAUFFAGE PAR INFRAROUGE ET APPAREIL PERMETTANT DE CUIRE DES MATERIAUX REFRACTAIRES

Publication

EP 1307412 A1 20030507 (EN)

Application

EP 01955818 A 20010712

Priority

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- US 21772600 P 20000712

Abstract (en)

[origin: WO0204381A1] A method and a device for curing a refractory material are provided. The device includes a mandrel having an opening therein defined by interior surfaces thereof, wherein the mandrel is dimensioned to fit within a vessel and define a gap therebetween corresponding in thickness to a predetermined thickness of a vessel refractory lining. An infrared heater is disposed within the mandrel opening and is oriented to irradiate an interior surface of the mandrel. The method for curing refractory material includes inputting a refractory material into a gap between a mandrel and a tundish, radiating infrared heat energy from a plurality of infrared heating elements toward interior surfaces of the mandrel to heat the mandrel, curing the refractory material within the gap using heat transferred to the refractory material through the mandrel to form a refractory material lining for the tundish.

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CPC (source: EP KR)

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Citation (search report)

See references of WO 0204381A1

Cited by

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