

Title (en)

COOLING ELEMENT FOR COOLING THE FIREPROOF LINING OF A METALLURGICAL FURNACE

Title (de)

KÜHLELEMENT ZUR KÜHLUNG DER FEUERFESTEN AUSKLEIDUNG EINES METALLURGISCHEN OFENS

Title (fr)

ÉLÉMENT DE REFROIDISSEMENT POUR LE REFROIDISSEMENT DU REVÊTEMENT RÉFRACTAIRE D'UN FOUR MÉTALLURGIQUE

Publication

**EP 2255140 A1 20101201 (DE)**

Application

**EP 09707826 A 20090121**

Priority

- DE 2009000078 W 20090121
- DE 102008008477 A 20080208

Abstract (en)

[origin: US2011088871A1] A cooling element for cooling the refractory lining of a metallurgical furnace. A cooling element is to be provided which prevents coolant from entering the interior of the furnace while maintaining a good cooling action. This is achieved by a cooling plate which faces the refractory lining, a heat-conducting plate which is arranged at an angle to the latter, which is fixedly connected to the cooling plate and extends out of the furnace wall. The cooling plate and the heat-conducting plate are made of solid material. A coolant channel which is fixedly connected to the heat-conducting plate is connected to a coolant input and a coolant output.

IPC 8 full level

**F27D 1/12** (2006.01); **C21B 7/10** (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP US)

**C21B 7/10** (2013.01 - EP US); **F27D 1/12** (2013.01 - EP US); **F27D 9/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2009097832A1

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DOCDB simple family (publication)

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