

Title (en)

DEVICE FOR COOLING PARTS OF THE VESSEL OF A FURNACE, ESPECIALLY A METALLURGICAL FURNACE.

Title (de)

VORRICHTUNG ZUM KÜHLEN VON GEFÄSSTEILEN EINES OFENS, INSBESONDERE EINES METALLURGISCHEN OFENS.

Title (fr)

DISPOSITIF DE REFROIDISSEMENT DE PARTIES DE L'ENVELOPPE D'UN FOUR, NOTAMMENT D'UN FOUR METALLURGIQUE.

Publication

EP 0525136 B1 19950816 (DE)

Application

EP 92903076 A 19920128

Priority

- DE 4103508 A 19910206
- EP 9200177 W 19920128

Abstract (en)

[origin: WO9214108A1] A device for cooling parts of the vessel of a furnace (1) with a collar fitted into a wall or ceiling region or forming a wall or ceiling region opening into the inside (6) of the furnace, comprises a heat exchanger plate (2) sprayed with cooling liquid via a plurality of spray nozzles (3). The heat-exchanger plate (2) takes the form of a compound sheet with a steel plate (8) on the side towards the inside (6) of the furnace and a copper coating (9) on the side of the spray nozzles.

IPC 1-7

F27D 1/12

IPC 8 full level

F27D 1/12 (2006.01); **F27D 9/00** (2006.01)

CPC (source: EP US)

F27D 9/00 (2013.01 - EP US)

Designated contracting state (EPC)

CH DE ES FR GB IT LI

DOCDB simple family (publication)

WO 9214108 A1 19920820; AU 1176192 A 19920907; AU 652225 B2 19940818; BR 9204119 A 19930608; DE 4103508 A1 19920813; DE 59203279 D1 19950921; EP 0525136 A1 19930203; EP 0525136 B1 19950816; ES 2076025 T3 19951016; US 5290016 A 19940301

DOCDB simple family (application)

EP 9200177 W 19920128; AU 1176192 A 19920128; BR 9204119 A 19920128; DE 4103508 A 19910206; DE 59203279 T 19920128; EP 92903076 A 19920128; ES 92903076 T 19920128; US 93474992 A 19921207