

Title (en)

COOLING PANEL FOR METALLURGICAL FURNACES, ESPECIALLY BLAST FURNACES

Publication

**EP 0144578 B1 19880622 (DE)**

Application

**EP 84111336 A 19840922**

Priority

DE 3339734 A 19831103

Abstract (en)

[origin: EP0144578A1] 1. Plate cooler made from cast material with integrally cast cooling pipes for the water cooling of metallurgical furnaces, particularly blast furnaces, characterized in that the cooling pipes (2) have at the inlet and outlet a circular cross-section and in the straight part within the cooler an oval cross-section, the axial ratio b:a in the oval section being between 1:1,2 and 1:15.

IPC 1-7

**C21B 7/10**

IPC 8 full level

**C21B 7/10** (2006.01)

CPC (source: EP)

**C21B 7/10** (2013.01)

Cited by

LU90644B1; EP1302551A1; EP1156124A1; CN117587178A; US7537724B2; WO2011157897A1

Designated contracting state (EPC)

AT BE DE FR GB IT NL SE

DOCDB simple family (publication)

**EP 0144578 A1 19850619; EP 0144578 B1 19880622**; AT E35287 T1 19880715; DE 3339734 C1 19850314; DE 3472272 D1 19880728

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