

Title (en)

Cooling panel for metallurgical furnaces, especially blast furnaces.

Title (de)

Plattenkühler für metallurgische Öfen, insbesondere Hochöfen.

Title (fr)

Plaque de refroidissement pour four métallurgique, en particulier hauts fourneaux.

Publication

EP 0144578 A1 19850619 (DE)

Application

EP 84111336 A 19840922

Priority

DE 3339734 A 19831103

Abstract (en)

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.

Abstract (de)

Bei einem Plattenkühler aus Gußmaterial mit eingegossenen Kühlrohren für die Wasserkühlung von metallurgischen Öfen, insbesondere Hochöfen, weisen die Kühlrohre (2) zumindest im geraden Teil innerhalb des Kühlers (1) einen länglichrunden, insbesondere elliptischen oder ellipsenähnlichen Querschnitt auf.

IPC 1-7

C21B 7/10

IPC 8 full level

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CPC (source: EP)

C21B 7/10 (2013.01)

Citation (search report)

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- [A] SOVIET INVENTIONS ILLUSTRATED, Woche 51, 8. Februar 1984; & SU - A - 267 060 (FERR METAL EFFL PURIF) 23.02.1983

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