

Title (en)
COOLING DEVICE FOR A SHAFT FURNACE CHARGING INSTALLATION

Publication
EP 0116142 B1 19861029 (FR)

Application
EP 83112197 A 19831205

Priority
LU 84521 A 19821210

Abstract (en)
[origin: ES8500430A1] A water cooling apparatus is presented for use in conjunction with a charging device of a shaft furnace, particularly a shaft furnace having a bell-less top charging apparatus. The cooling apparatus essentially comprises an annular feed vat which is attached to the upper portion of a rotary shell and is movable with the rotary shell. The vat is provided with at least one opening whereby water is gravity fed from the vat through plural cooling coils positioned about a rotary jacket. An annular collecting conduit receives the water flowing from the coils. The rotary jacket supports the suspension mechanism of a distribution spout and also acts as the separating structure between the furnace interior and the component parts of the charging device.

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C21B 7/20

IPC 8 full level
C21B 7/20 (2006.01)

CPC (source: EP KR US)
C21B 7/10 (2013.01 - KR); **C21B 7/20** (2013.01 - EP US)

Cited by
LU91772B1; CN1083888C; DE4216166C2; EP1801241A1; AU2006328837B2; KR101226606B1; DE3809533A1; FR2613052A1; US8021603B2; WO2012016902A1; WO9928510A1; WO2007071469A1; US6544468B1

Designated contracting state (EPC)
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