

Title (en)

METHOD FOR COOLING A SHAFT FURNACE LOADING DEVICE

Title (de)

VERFAHREN ZUR KÜHLUNG EINER BESCHICKUNGSANLAGE EINES SCHACHTOFENS

Title (fr)

PROCEDE POUR REFROIDIR UN DISPOSITIF DE CHARGEMENT D'UN FOUR A CUVE

Publication

EP 1034310 B1 20011128 (FR)

Application

EP 98951479 A 19980928

Priority

- EP 9806153 W 19980928
- LU 90179 A 19971126

Abstract (en)

[origin: WO9928510A1] The invention concerns a method for cooling a shaft furnace loading device, said loading device being equipped with a ring-shaped rotary joint (40), provided with a fixed ring-shaped part (56) and a rotating ring-shaped part (46), for supplying cooling liquid to a rotating cooling circuit (36, 38). The invention is characterised in that it consists in feeding the joint (40) fixed part (56) with cooling liquid such that a leakage flow passes in a separating ring-shaped slot (58, 60) between the fixed part (56) and the rotating part (46) of the joint (40), to form therein a liquid joint. Said leakage flow is then collected and drained without passing through the cooling circuit (36, 38).

IPC 1-7

C21B 7/20

IPC 8 full level

C21B 7/10 (2006.01); **C21B 7/18** (2006.01); **C21B 7/20** (2006.01); **F27B 1/20** (2006.01)

CPC (source: EP KR US)

C21B 7/20 (2013.01 - EP KR US)

Designated contracting state (EPC)

AT DE ES GB IT NL SE

DOCDB simple family (publication)

WO 9928510 A1 19990610; AT E209693 T1 20011215; AU 9747598 A 19990616; BR 9814222 A 20001003; CN 1083888 C 20020501; CN 1279725 A 20010110; CZ 20001721 A3 20010711; CZ 298626 B6 20071128; DE 69802713 D1 20020110; DE 69802713 T2 20020905; EP 1034310 A1 20000913; EP 1034310 B1 20011128; ES 2166191 T3 20020401; HK 1030633 A1 20010511; JP 2001525485 A 20011211; JP 4199418 B2 20081217; KR 20010031887 A 20010416; LU 90179 B1 19990527; PL 190890 B1 20060228; PL 340633 A1 20010212; RU 2194766 C2 20021220; TW 383338 B 20000301; UA 52800 C2 20030115; US 6544468 B1 20030408; ZA 9810691 B 19990531

DOCDB simple family (application)

EP 9806153 W 19980928; AT 98951479 T 19980928; AU 9747598 A 19980928; BR 9814222 A 19980928; CN 98811245 A 19980928; CZ 20001721 A 19980928; DE 69802713 T 19980928; EP 98951479 A 19980928; ES 98951479 T 19980928; HK 01101603 A 20010306; JP 2000523384 A 19980928; KR 20007004983 A 20000508; LU 90179 A 19971126; PL 34063398 A 19980928; RU 2000116625 A 19980928; TW 87106591 A 19980428; UA 00063589 A 19980928; US 55442500 A 20000920; ZA 9810691 A 19981123