

Title (en)

METHOD AND DEVICE FOR COOLING HOT BRIQUETTED SPONGY IRON

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ABKÜHLEN VON HEISSEM BRIKETTIERTEM EISENSCHWAMM

Title (fr)

PROCEDE ET DISPOSITIF POUR REFROIDIR DU FER SPONGIEUX CHAUD BRIQUETE

Publication

EP 0807187 B1 19980812 (DE)

Application

EP 96900197 A 19960122

Priority

- AT 9600008 W 19960122
- AT 10695 A 19950123

Abstract (en)

[origin: WO9623081A1] The invention concerns a method of cooling hot briquetted spongy iron (3) such that the lowest possible final temperature is attained after the shortest possible period of time and optimum use is made of the coolant. According to the method, in a first cooling step (11) only a gaseous cooling medium flows through the hot briquetted spongy iron (3) such that the latter is gently cooled. In a second cooling step (14) the hot briquetted spongy iron is then sprayed with a liquid cooling medium and is thus cooled intensively to the desired final temperature.

IPC 1-7

C21B 13/00

IPC 8 full level

C21B 13/00 (2006.01); **C22B 1/26** (2006.01)

CPC (source: EP KR US)

C21B 13/00 (2013.01 - KR); **C21B 13/0086** (2013.01 - EP US)

Designated contracting state (EPC)

BE DE FR GB IT LU NL SE

DOCDB simple family (publication)

WO 9623081 A1 19960801; AR 000749 A1 19970806; AT 404361 B 19981125; AT A10695 A 19980315; AU 4379596 A 19960814; AU 703991 B2 19990401; BR 9606929 A 19971111; CA 2211021 A1 19960801; CA 2211021 C 20020101; CO 4560387 A1 19980210; DE 59600430 D1 19980917; EG 21043 A 20000930; EP 0807187 A1 19971119; EP 0807187 B1 19980812; JP 4006022 B2 20071114; JP H11500782 A 19990119; KR 100383351 B1 20030718; KR 19980701673 A 19980625; MX 9705465 A 19980731; PE 38296 A1 19960925; RU 2142517 C1 19991210; US 6048381 A 20000411; ZA 96468 B 19960828

DOCDB simple family (application)

AT 9600008 W 19960122; AR 10106896 A 19960118; AT 10695 A 19950123; AU 4379596 A 19960122; BR 9606929 A 19960122; CA 2211021 A 19960122; CO 95062416 A 19951229; DE 59600430 T 19960122; EG 696 A 19960103; EP 96900197 A 19960122; JP 52248996 A 19960122; KR 19970705069 A 19970723; MX 9705465 A 19970718; PE 00000296 A 19960102; RU 97114136 A 19960122; US 87530397 A 19971015; ZA 96468 A 19960122