

Title (en)

OPERATION METHOD OF FURNACE EQUIPMENT FOR MAGNESIUM ALLOYS

Title (de)

VERFAHREN ZUM BETRIEB VON OFENANLAGEN FÜR MAGNESIUMLEGIERUNGEN

Title (fr)

PROCEDE DE FONCTIONNEMENT D'INSTALLATIONS DE FOURS POUR ALLIAGES DE MAGNESIUM

Publication

EP 1044285 A1 20001018 (DE)

Application

EP 98955253 A 19981112

Priority

- AT 9800279 W 19981112
- AT 72997 U 19971124

Abstract (en)

[origin: WO9927144A1] The present invention relates to an operation method of furnace equipment for magnesium alloys, wherein a bath surface is covered with a protection gas containing a sulphur compound. The purpose of this invention is to reduce the production costs and the damage to the environment as well as to ensure a particularly safe operation when handling magnesium liquid baths. To this end, the protection gas consists in a mixture of SO₂ with an inert gas, wherein the proportion by volumes of SO₂ is set at a precise value in a range of between 0.3 % and 1.5 %, preferably of between 0.5 % and 1.0 %.

IPC 1-7

C22B 26/22; **F27B 3/22**

IPC 8 full level

C22B 9/00 (2006.01); **C22B 26/22** (2006.01); **F27B 3/22** (2006.01); **F27D 7/06** (2006.01)

CPC (source: EP US)

C22B 9/006 (2013.01 - EP US); **C22B 26/22** (2013.01 - EP US); **F27B 3/22** (2013.01 - EP US); **F27D 7/06** (2013.01 - EP US)

Citation (search report)

See references of WO 9927144A1

Cited by

US6783487B2

Designated contracting state (EPC)

AT DE ES FR IT

DOCDB simple family (publication)

WO 9927144 A1 19990603; AT 2420 U1 19981027; AT E204919 T1 20010915; AU 1218399 A 19990615; AU 744178 B2 20020214; BR 9814891 A 20001003; CA 2311361 A1 19990603; DE 59801357 D1 20011004; EP 1044285 A1 20001018; EP 1044285 B1 20010829; ES 2162479 T3 20011216; JP 2001524599 A 20011204; US 6527826 B1 20030304

DOCDB simple family (application)

AT 9800279 W 19981112; AT 72997 U 19971124; AT 98955253 T 19981112; AU 1218399 A 19981112; BR 9814891 A 19981112; CA 2311361 A 19981112; DE 59801357 T 19981112; EP 98955253 A 19981112; ES 98955253 T 19981112; JP 2000522285 A 19981112; US 55505800 A 20000524