

Title (en)

TUNDISH FOR PRODUCTION OF A METAL STRIP OF HIGH PURITY

Title (de)

ZWISCHENGEFÄSS ZUR HERSTELLUNG EINES METALLSTRANGES HOHER REINHEIT

Title (fr)

POCHE DE COULEE POUR PRODUIRE UNE BARRE METALLIQUE DE GRANDE PURETE

Publication

EP 1453626 A2 20040908 (DE)

Application

EP 02792874 A 20021204

Priority

- AT 19612001 A 20011214
- EP 0213687 W 20021204

Abstract (en)

[origin: WO03051560A2] The aim of the invention is a separation rate of foreign particles which is as high as possible in a tun dish with a minimised production of inclusions. Said aim is achieved, whereby the lined interior of the tun dish (1), depending on an operating bath level (h), fills the condition that a dimensionless relationship (κ) between the lined surface (Aref) and the filling volume (V), defined by said lined surface and the free surface (ATop), dependent on the bath level derived from the relationship in formula (I), lies between 3.83 and 4.39.

IPC 1-7

B22D 41/08

IPC 8 full level

B22D 11/10 (2006.01); **B22D 11/14** (2006.01); **B22D 11/18** (2006.01); **B22D 41/08** (2006.01)

CPC (source: EP KR US)

B22D 11/10 (2013.01 - EP KR US); **B22D 11/147** (2013.01 - EP US); **B22D 41/08** (2013.01 - EP KR US)

Citation (search report)

See references of WO 03051560A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

WO 03051560 A2 20030626; **WO 03051560 A3 20040129**; AT 411024 B 20030925; AT A19612001 A 20030215; AU 2002358590 A1 20030630; AU 2002358590 B2 20070531; BR 0214948 A 20041130; CA 2470022 A1 20030626; CN 1273247 C 20060906; CN 1604828 A 20050406; DE 50205885 D1 20060427; EP 1453626 A2 20040908; EP 1453626 B1 20060222; JP 2005511321 A 20050428; KR 101003940 B1 20101230; KR 20040063173 A 20040712; MX PA04005703 A 20041206; PL 370528 A1 20050530; RU 2004121465 A 20060110; US 2005067134 A1 20050331; US 7108048 B2 20060919; ZA 200404536 B 20050704

DOCDB simple family (application)

EP 0213687 W 20021204; AT 19612001 A 20011214; AU 2002358590 A 20021204; BR 0214948 A 20021204; CA 2470022 A 20021204; CN 02825038 A 20021204; DE 50205885 T 20021204; EP 02792874 A 20021204; JP 2003552475 A 20021204; KR 20047009228 A 20021204; MX PA04005703 A 20021204; PL 37052802 A 20021204; RU 2004121465 A 20021204; US 49879704 A 20040714; ZA 200404536 A 20040608