Title (en)

DEVICE FOR DETERMINING THE PURITY OF A METAL ALLOY

Title (de)

VORRICHTUNG ZUR BESTIMMUNG DER REINHEIT EINER METALLEGIERUNG

Title (fr)

DISPOSITIF DE DETERMINATION DE LA PROPRETE D'UN ALLIAGE METALLIQUE

Publication

EP 0805980 A1 19971112 (FR)

Application

EP 96901852 A 19960125

Priority

- FR 9600125 W 19960125
- FR 9500877 A 19950126

Abstract (en)

[origin: WO9623222A1] A device for determining the purity of a metal alloy, in particular an aluminium alloy, It comprises a pot (10) featuring a receptacle (14) of an essentially flared shape on a vertical axis, the lower extremity featuring an orifice (18) of reduced dimensions, the entire orifice being blocked by a filter (20). The device also comprises means (26, 28) for bringing the pot initially to a first pre-set temperature, means for introducing a predetermined quantity of the alloy to be tested into the receptacle, said quantity of the alloy being at a second pre-set temperature, through wihich the alloy flows by gravity via the filter until the latter is clogged by the impurities in the alloy, and means (12) for collecting and measuring the volume of the alloy which has passed through the filter before it is clogged by the impurities in the alloy.

IPC 1-7

G01N 33/20; C22B 9/02; C22B 21/06

IPC 8 full level

C22B 21/06 (2006.01); **G01N 33/20** (2006.01)

CPC (source: EP US)

C22B 21/066 (2013.01 - EP US); **G01N 33/205** (2018.12 - EP US)

Citation (search report)

See references of WO 9623222A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9623222 A1 19960801; CA 2210810 A1 19960801; EP 0805980 A1 19971112; FR 2730062 A1 19960802; FR 2730062 B1 19970418; JP H10513258 A 19981215; NO 973433 D0 19970724; NO 973433 L 19970903; US 5894085 A 19990413

DOCDB simple family (application)

FR 9600125 W 19960125; CA 2210810 A 19960125; EP 96901852 A 19960125; FR 9500877 A 19950126; JP 52268396 A 19960125; NO 973433 A 19970724; US 87556597 A 19970725