

Title (en)

METHOD FOR ANALYSIS OF A FUSED MATERIAL DEVICE AND DIPPING SENSOR

Title (de)

VERFAHREN ZUR ANALYSE EINES SCHMELZSTOFFES, VORRICHTUNG SOWIE EINTAUCHSENSOR

Title (fr)

PROCEDE POUR ANALYSER UNE MATIERE FONDUE, DISPOSITIF ET CAPTEUR A IMMERSION

Publication

EP 1695068 A1 20060830 (DE)

Application

EP 04803874 A 20041215

Priority

- EP 2004014252 W 20041215
- DE 10359447 A 20031217
- BE 200400085 A 20040213

Abstract (en)

[origin: WO2005059527A1] The invention relates to a method and device for analysis of a fused material by optical emission spectroscopy, for example, a fused metal such as cast iron or steel, or a slag, a glass, or a lava. A sensing element with at least one emission spectrometer and at least one excitation device is used to generate the activation of the material for analysis and to permit the generation of a radiation for analysis in the spectrometer provided in the sensing element. Said sensing element is brought into contact with the fused material for analysis and transmits information, comprising analysis elements, provided by a spectrometer. The invention further relates to a dipping sensor.

IPC 8 full level

G01N 21/69 (2006.01); **C21C 5/46** (2006.01); **F27D 19/00** (2006.01); **F27D 21/00** (2006.01); **G01N 21/85** (2006.01)

CPC (source: EP KR US)

C21C 5/4673 (2013.01 - EP KR US); **F27D 19/00** (2013.01 - EP KR US); **F27D 21/00** (2013.01 - EP US); **G01N 21/69** (2013.01 - EP KR US); **G01N 21/8507** (2013.01 - EP KR US); **F27D 2019/0003** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2005059527A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2005059527 A1 20050630; AU 2004299940 A1 20050630; AU 2004299940 B2 20081204; AU 2004299940 C1 20090514; AU 2008249182 A1 20081211; AU 2008249182 B2 20111006; AU 2011201560 A1 20110428; AU 2011201560 B2 20111006; AU 2011201561 A1 20110428; BR PI0417748 A 20070410; CA 2539844 A1 20050630; CA 2539844 C 20120131; EP 1695068 A1 20060830; JP 2007514941 A 20070607; JP 2011141293 A 20110721; JP 4750717 B2 20110817; JP 5554281 B2 20140723; KR 101030103 B1 20110420; KR 101078926 B1 20111101; KR 20060121193 A 20061128; KR 20110038149 A 20110413; MX PA06006246 A 20060823; RU 2006125424 A 20080127; RU 2008133289 A 20100220; RU 2348029 C2 20090227; RU 2457467 C2 20120727; US 2006250614 A1 20061109; US 7365841 B2 20080429; ZA 200605776 B 20080430

DOCDB simple family (application)

EP 2004014252 W 20041215; AU 2004299940 A 20041215; AU 2008249182 A 20081124; AU 2011201560 A 20110406; AU 2011201561 A 20110406; BR PI0417748 A 20041215; CA 2539844 A 20041215; EP 04803874 A 20041215; JP 2006544321 A 20041215; JP 2011090138 A 20110414; KR 20067011780 A 20041215; KR 20117004360 A 20041215; MX PA06006246 A 20041215; RU 2006125424 A 20041215; RU 2008133289 A 20080813; US 42233906 A 20060606; ZA 200605776 A 20060713