

Title (en)
METHOD FOR OPERATING AN OPTICAL EMISSION SPECTROMETER

Title (de)
VERFAHREN ZUM BETRIEB EINES OPTISCHEN EMISSIONSSPEKTROMETERS

Title (fr)
PROCEDE POUR FAIRE FONCTIONNER UN SPECTROMETRE D'EMISSION OPTIQUE

Publication
EP 1839038 A1 20071003 (DE)

Application
EP 05803479 A 20051104

Priority
• EP 2005011799 W 20051104
• DE 102005002292 A 20050117

Abstract (en)
[origin: WO2006074725A1] The invention relates to a method for the spectral analysis of metallic samples, said method comprising the following steps: (a) a spectrum of an unknown sample with a number of preset excitation parameters is recorded; (b) the spectrum is compared with the stored spectra of a number of control samples; (c) the control samples are determined by the best concordance of the spectra; (d) the excitation parameters stored for the best successive control samples determined in step (c) are set; (e) the spectrum of the unknown sample with the excitation parameters set in step (d) is recorded; and (f) the intensity ratios of analysis lines stored for the control sample and internal standards of the spectrum recorded in step (e) are calculated.

IPC 8 full level
G01J 3/443 (2006.01); **G01N 21/67** (2006.01)

CPC (source: EP US)
G01J 3/20 (2013.01 - EP US); **G01J 3/28** (2013.01 - EP US); **G01J 3/443** (2013.01 - EP US); **G01N 21/67** (2013.01 - EP US)

Citation (search report)
See references of WO 2006074725A1

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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006074725 A1 20060720; DE 102005002292 A1 20060727; DE 102005002292 B4 20160211; EP 1839038 A1 20071003; US 2008198377 A1 20080821; US 7911606 B2 20110322

DOCDB simple family (application)
EP 2005011799 W 20051104; DE 102005002292 A 20050117; EP 05803479 A 20051104; US 81405105 A 20051104