

Title (en)

TOTAL NITROGEN, SULFUR AND CHLORINE ANALYSIS

Title (de)

GESAMTSTICKSTOFF-, -SCHWEFEL- UND -CHLORANALYSE

Title (fr)

ANALYSE DE LA TENEUR TOTALE EN AZOTE, SOUFRE ET CHLORE

Publication

EP 1240510 A2 20020918 (EN)

Application

EP 00990796 A 20001219

Priority

- EP 0012940 W 20001219
- US 46801199 A 19991220

Abstract (en)

[origin: WO0146683A2] For analysis of total nitrogen, sulfur and/or chlorine, a solid, liquid or gas sample is combusted with oxygen in a high-temperature furnace to form a combustion gas which is then dried. Dry combustion gas is passed through an electrochemical detector for each element to be measured, the detectors being arranged either in parallel or in series with either arrangement providing an individual determination of the content of the element in the sample. A control system provides a user interface for manipulating and controlling the introduction of the sample to the furnace and the operation of the furnace, dryer and electrochemical detector, and the system stores, records and displays data.

IPC 1-7

G01N 31/12

IPC 8 full level

G01N 27/28 (2006.01); **G01N 27/416** (2006.01); **G01N 27/49** (2006.01); **G01N 31/12** (2006.01); **G01N 33/00** (2006.01)

CPC (source: EP)

G01N 31/12 (2013.01); **G01N 27/4045** (2013.01)

Citation (search report)

See references of WO 0146683A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0146683 A2 20010628; **WO 0146683 A3 20011227**; CN 1413301 A 20030423; EP 1240510 A2 20020918; JP 2004520566 A 20040708

DOCDB simple family (application)

EP 0012940 W 20001219; CN 00817511 A 20001219; EP 00990796 A 20001219; JP 2001547539 A 20001219