

Title (en)
METHOD FOR CLEANING THE FLASH CHAMBER OF A GAS CHROMATOGRAPHIC DEVICE AND INJECTOR FOR THE IMPLEMENTATION OF SAID METHOD

Title (de)
VERFAHREN ZUR REINIGUNG DER VERBRENNUNGSKAMMER EINER GASCHROMATOGRAPHIEVORRICHTUNG UND PROBENAUFGABEVORRICHTUNG ZUR AUSFÜHRUNG DIESES VERFAHRENS

Title (fr)
PROCEDE POUR NETTOYER LA CHAMBRE DE VAPORISATION D'UN APPAREIL DE CHROMATOGRAPHIE EN PHASE GAZEUSE ET INJECTEUR POUR LA MISE EN OEUVRE DE CE PROCEDE

Publication
EP 1169637 A1 20020109 (FR)

Application
EP 00918950 A 20000412

Priority
• FR 0000936 W 20000412
• FR 9904580 A 19990413

Abstract (en)
[origin: WO0062053A1] The invention relates to an improvement in gas chromatographic analysis, consisting in burning off the non-volatile products remaining in the injector after an analysis. The invention also relates to an advanced injection device comprising a combustion-flash chamber (7), wherein the sample that is to be analyzed is introduced with the aid of a syringe, and a lateral tube (8) that enables a combustion gas containing oxygen to be introduced through a pressure drop (35). When the volatile constituents have been vaporized and analyzed on the column (18), the combustion gas is introduced in the tube (7) by opening a valve (32) when the valve (31) enabling the vector gas to arrive inside the injector is closed and a valve (5) is open. The injector becomes de-pressurized and the combustion gas flows through the injector, is brought to a sufficient temperature to enable combustion of the non-volatile residues and is then discharged, together with the combustion gas, via the valve (5).

IPC 1-7
G01N 30/12

IPC 8 full level
G01N 30/12 (2006.01); **G01N 30/40** (2006.01)

CPC (source: EP)
G01N 30/12 (2013.01); **G01N 2030/125** (2013.01); **G01N 2030/402** (2013.01)

Citation (search report)
See references of WO 0062053A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
FR 2792413 A1 20001020; FR 2792413 B1 20010629; EP 1169637 A1 20020109; WO 0062053 A1 20001019; WO 0062053 A8 20010329

DOCDB simple family (application)
FR 9904580 A 19990413; EP 00918950 A 20000412; FR 0000936 W 20000412