

Title (en)
SAMPLE INJECTOR

Publication
EP 0351761 B1 19930908 (EN)

Application
EP 89113095 A 19890717

Priority
US 22071888 A 19880718

Abstract (en)
[origin: EP0351761A2] A disposable sample tip (10) to provide a liquid sample of a predetermined volume and a plunger type injector (12) to introduce the sample into a spectrometer for analysis. The injector (12) is provided with an anti-suction means (104) so that the sample will not be withdrawn from the sample tip (10) in the event the sample tip (10) is filled before the injector (12) is made ready to introduce the sample into the spectrometer.

IPC 1-7
B01L 3/02; G01N 1/10

IPC 8 full level
G01N 1/00 (2006.01); **B01L 3/02** (2006.01); **G01N 21/31** (2006.01); **G01N 30/18** (2006.01); **H01J 49/04** (2006.01)

CPC (source: EP KR)
B01L 3/02 (2013.01 - KR); **B01L 3/0217** (2013.01 - EP); **B01L 3/022** (2013.01 - EP); **B01L 3/0275** (2013.01 - EP); **H01J 49/00** (2013.01 - EP)

Cited by
CN113671108A; US5311444A; EP0514678A1; US5479253A; EP0636874A1; FR2708341A1; US5594183A

Designated contracting state (EPC)
DE FR GB IT NL

DOCDB simple family (publication)
EP 0351761 A2 19900124; EP 0351761 A3 19910213; EP 0351761 B1 19930908; CA 1336970 C 19950912; DE 68908979 D1 19931014; DE 68908979 T2 19940105; JP 2960438 B2 19991006; JP H02257033 A 19901017; KR 0140888 B1 19980601; KR 900002069 A 19900228

DOCDB simple family (application)
EP 89113095 A 19890717; CA 606001 A 19890718; DE 68908979 T 19890717; JP 18383689 A 19890718; KR 890010119 A 19890718