

Title (en)

MITIGATION OF SAMPLE-INTRODUCTION DECOMPRESSION EFFECTS IN HIGH-PRESSURE LIQUID CHROMATOGRAPHY

Title (de)

ABSCHWÄCHUNG DER PROBENEINFÜHRUNGS-DEKOMPRIMIERUNGSEFFEKTE IN DER HOCHDRUCK-FLÜSSIGCHROMATOGRAPHIE

Title (fr)

ATTENUATION DES EFFECTS DE DECOMPRESSION PAR INTRODUCTION D'ECHANTILLON DANS LA CHROMATOGRAPHIE LIQUIDE A HAUTE PRESSION

Publication

EP 2035788 A2 20090318 (EN)

Application

EP 07812485 A 20070629

Priority

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- US 81799006 P 20060630

Abstract (en)

[origin: WO2008005845A2] A method for processing a fluid is applied to systems that include a valve unit that has a sample-loading state and a sample-injecting state. The sample-loading state disposes a sample loop in fluidic communication with a sample conduit. The sample-injecting state disposes the sample loop in fluidic communication with a process conduit. The method involves transferring a sample through both the sample conduit and the valve unit so that a leading end of the sample exits the valve unit. After transitioning the valve unit to the sample-loading state and allowing the sample loop to decompress, at least some of the transferred sample is loaded into the sample loop. A fluid-processing instrument includes a valve unit and a control unit that manages operation of the instrument. The control unit is configured, for example, to implement the above-described method.

IPC 8 full level

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