

Title (en)
CHEMICAL PROCESSING SYSTEM, INSTRUMENT AND SAMPLE CARTRIDGE

Title (de)
CHEMISCHES VERARBEITUNGSSYSTEM, INSTRUMENT UND PROBENKARTUSCHE

Title (fr)
SYSTÈME DE TRAITEMENT CHIMIQUE, INSTRUMENT ET CARTOUCHE D'ÉCHANTILLON

Publication
EP 4267304 A1 20231101 (EN)

Application
EP 21912218 A 20211223

Priority

- US 202063130450 P 20201224
- US 202163241167 P 20210907
- US 202163292314 P 20211221
- US 2021065045 W 20211223

Abstract (en)
[origin: WO2022140651A1] Described embodiments relate to a chemical processing instrument configured to receive one or more sample cartridges, to process one or more corresponding fluid samples. The chemical processing instrument comprises: a reagent dispenser configured to dispense one or more fluid reagents into a reagent vessel via an open top of the reagent vessel; and a pneumatic module configured to connect to a primary pneumatic port of a primary reaction vessel and selectively adjust a pressure within the primary reaction vessel when the lid is closed to draw fluid from the reagent vessel through a primary reagent channel into the primary reaction vessel.

IPC 8 full level
B01L 3/02 (2006.01)

CPC (source: EP KR US)
B01L 3/50273 (2013.01 - EP US); **B01L 3/523** (2013.01 - EP KR US); **B01L 3/527** (2013.01 - EP KR US); **G01N 35/04** (2013.01 - EP KR); **G01N 35/1002** (2013.01 - EP KR); **B01L 7/52** (2013.01 - EP); **B01L 2200/0605** (2013.01 - EP US); **B01L 2200/146** (2013.01 - EP KR US); **B01L 2200/16** (2013.01 - EP KR); **B01L 2300/043** (2013.01 - EP KR); **B01L 2300/1827** (2013.01 - EP US); **B01L 2400/0487** (2013.01 - EP KR US); **B01L 2400/049** (2013.01 - EP); **B01L 2400/0605** (2013.01 - EP); **G01N 35/0098** (2013.01 - EP); **G01N 2035/00346** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2022140651 A1 20220630; AU 2021409937 A1 20230720; AU 2021409937 A9 20240711; CA 3203353 A1 20220630; EP 4267304 A1 20231101; EP 4267975 A1 20231101; JP 2024501002 A 20240110; KR 20230150261 A 20231030; US 2024058818 A1 20240222

DOCDB simple family (application)
US 2021065044 W 20211223; AU 2021409937 A 20211223; CA 3203353 A 20211223; EP 21912217 A 20211223; EP 21912218 A 20211223; JP 2023539181 A 20211223; KR 20237025340 A 20211223; US 202118269253 A 20211223