

Title (en)

CARTRIDGE FOR CONDUCTING A CHEMICAL REACTION

Title (de)

PATRONE ZUM DURCHFÜHREN EINER CHEMISCHEN REAKTION

Title (fr)

CARTOUCHE SERVANT A EFFECTUER UNE REACTION CHIMIQUE

Publication

**EP 1181098 A1 20020227 (EN)**

Application

**EP 00937894 A 20000530**

Priority

- US 0014739 W 20000530
- US 13670399 P 19990528
- US 46972499 A 19991221

Abstract (en)

[origin: WO0072970A1] A cartridge (20) for conducting a chemical reaction includes a body having at least one flow path formed therein. The cartridge also includes a reaction vessel (40) extending from the body for holding a reaction mixture for chemical reaction and optical detection. The vessel (40) comprises a rigid frame defining the side walls of a reaction chamber. The frame includes at least one channel connecting the flow path to the chamber. The vessel also includes flexible films or sheets attached to opposite sides of the rigid frame to form opposing major walls of the chamber. In addition, at least two of the side walls are optically transmissive and angularly offset from each to permit real-time optical detection of analyte in the reaction chamber.

IPC 1-7

**B01L 3/00**

IPC 8 full level

**G01N 33/48** (2006.01); **B01J 19/00** (2006.01); **B01J 19/24** (2006.01); **B01L 3/00** (2006.01); **B01L 7/00** (2006.01); **C12M 1/00** (2006.01); **C12M 1/26** (2006.01); **G01N 33/483** (2006.01); **G01N 35/08** (2006.01)

CPC (source: EP)

**B01L 3/502** (2013.01); **B01L 7/52** (2013.01); **B01L 3/5027** (2013.01); **B01L 2200/10** (2013.01); **B01L 2300/0654** (2013.01); **B01L 2300/0681** (2013.01); **B01L 2300/0816** (2013.01); **B01L 2300/087** (2013.01); **B01L 2400/0487** (2013.01); **B01L 2400/0622** (2013.01); **B01L 2400/0644** (2013.01)

Cited by

CN113412157A; US8512637B2; US8441629B2; US11745177B2; US9079182B2; WO2020154601A1; US8641971B2; US8986612B2; US9097626B2; WO2020146583A1

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