

Title (en)

Flow control in a containment device.

Title (de)

Regelung des Durchflusses in einem eingeschlossenen Behälter.

Title (fr)

Régulation de l'écoulement dans un récipient fermé.

Publication

EP 0594259 A1 19940427 (EN)

Application

EP 93202961 A 19931021

Priority

- US 4236193 A 19930402
- US 96568392 A 19921023
- US 97956992 A 19921120

Abstract (en)

In unvented containment devices used for DNA amplification, problems are encountered due to back pressure in the waste compartment due to incoming flow. This back pressure tends to stress the detection chamber and dislodge anchor sites for the target. Described herein is a containment device (10) in which a waste compartment (42) provided downstream from a detection site (40, 41) is provided with fold lines (74) which give the compartment a bi-stable configuration so that it can expand to relieve back-pressure which otherwise builds up in the device (10). <IMAGE>

IPC 1-7

B01L 3/00

IPC 8 full level

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CPC (source: EP)

B01L 3/502 (2013.01); **B01L 2400/0481** (2013.01)

Citation (search report)

- [DA] EP 0381501 A2 19900808 - EASTMAN KODAK CO [US]
- [A] EP 0287170 A2 19881019 - PROCTER & GAMBLE [US]

Cited by

FR2760838A1; EP0693560A3; FR2744803A1; US5869002A; US8288156B2; EP1123980A2; US11192108B2; WO9728899A1

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