

Title (en)

METHOD AND DEVICE FOR A DETECTABLE GAS DISCHARGE

Publication

EP 0211160 A3 19880316 (DE)

Application

EP 86106621 A 19860515

Priority

DE 3527397 A 19850731

Abstract (en)

[origin: US4720994A] A method and apparatus with which a sealed gas containing first container, which is disposed in a sealed inaccessible and not visually observable further container, can be detectably opened. A thermally inducible opening mechanism disposed in a gas flow or connecting path in the wall of the first container is actuated and the gas escaping through the connecting path is detected acoustically. Among other uses, the invention can be used, in particular, for containers having radioactive contents which can be manipulated, welded and leak checked only in hot cells. The method is particularly suitable for leak checking fuel element containers or molds containing highly radioactive vitrified waste since the closing member of the first container can be composed of a soft solder plug and this plug can be melted out by local heating.

IPC 1-7

G21F 5/00; **G01M 3/22**; **F17C 7/00**

IPC 8 full level

F17C 7/00 (2006.01); **G01M 3/22** (2006.01); **G21F 5/00** (2006.01); **G21F 5/12** (2006.01)

CPC (source: EP US)

G21F 5/12 (2013.01 - EP US)

Citation (search report)

- [A] DE 1218753 B 19660608 - LEYBOLDS NACHFOLGER E
- [A] PROCEEDINGS, 31st CONFERENCE ON REMOTE SYSTEMS TECHNOLOGY, 1983, Band 2, Seiten 129-131, La Grange Park, Illinois, US; R.K. REYNOLDS et al.: "A new system for remote and selective release of gases inside a container"

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 0211160 A2 19870225; **EP 0211160 A3 19880316**; **EP 0211160 B1 19910828**; DE 3527397 A1 19870205; DE 3681093 D1 19911002; US 4720994 A 19880126

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