

Title (en)

A method in the storage of nuclear waste of intermediate-level radioactivity, deriving E.G. from nuclear power plants and a waste unit produced hereby.

Title (de)

Verfahren zur Lagerung mittelfristig aktiven Abfalls, wie etwa von Kernkraftwerken und auf diese Weise hergestellte Anlage.

Title (fr)

Procédé pour l'emmagasinement des déchets à radioactivité intermédiaire, par exemple de centrales nucléaires et installation de déchets à cet effet.

Publication

**EP 0186638 A1 19860702 (EN)**

Application

**EP 85850353 A 19851031**

Priority

SE 8406281 A 19841211

Abstract (en)

A mixture of waste and a liquid hydraulic binder is introduced through an opening in a container, the binder is allowed to solidify, the container opening is sealed, and the container is optionally moved a repository site. The container comprises an iron material and has gas impervious walls and bottom; the seal is formed from a material or a material combination which exhibits high resistance to outward diffusion of radioactive nuclides but is permeable to gas, and in the event of the container being moved to a repository site, the container is embedded in a concrete block in the repository site. A waste unit, comprising at least one substantially cylindrical container (1) which is provided with a bottom and which accommodates a mixture (3) of intermediate-level radioactive waste deriving e.g. from a nuclear power plant, and a binder and is provided with a seal or closure means (4).

IPC 1-7

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CPC (source: EP)

**G21F 5/005** (2013.01); **G21F 9/304** (2013.01); **G21F 9/34** (2013.01)

Citation (search report)

- DE 2748774 A1 19790503 - NUKEM GMBH
- GB 2009486 A 19790613 - CENTRAL ELECTR GENERAT BOARD
- DE 3410370 A1 19841031 - NAT NUCLEAR CORP LTD [GB]

Cited by

EP1180579A3; ES2324255A1; JP2015184198A; USRE39630E

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