

Title (en)

PROCESS FOR CONDITIONING ORGANIC SOLID RADIOACTIVE WASTES ESPECIALLY CONTAINING NUCLEAR FUEL

Publication

EP 0032686 B1 19850102 (DE)

Application

EP 81100115 A 19810109

Priority

DE 3001629 A 19800117

Abstract (en)

[origin: EP0032686A2] 1. A process for the final conditioning of solid, voluminous, radioactive, organic waste, which is largely of constant shape and in particular contains nuclear fuel, such as rubber gloves, films, bottles and tubes made of plastics, cloths made of cellulose or synthetic resins, and components made of wood or natural fibres, whilst forming a hardening mixture which consists of the comminuted waste, an inorganic binding agent and water, characterised in that the waste is broken down into such small pourable particles that the adhesion forces acting on the waste particles in the mixture of cement as inorganic binding agent and water, outweigh the lifting forces ; that the waste particles are homogeneously mixed into the cement-water mixture ; and that the mixture of cement, water and the waste particles is finally hardened to form a concrete block which is capable of being finally disposed of.

IPC 1-7

G21F 9/34

IPC 8 full level

G21F 9/00 (2006.01); **G21F 9/16** (2006.01); **G21F 9/30** (2006.01); **G21F 9/34** (2006.01)

CPC (source: EP)

G21F 9/165 (2013.01); **G21F 9/304** (2013.01)

Cited by

EP0156001A3; US4652404A; WO03032328A1

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

EP 0032686 A2 19810729; **EP 0032686 A3 19810909**; **EP 0032686 B1 19850102**; DE 3001629 A1 19810924; DE 3167986 D1 19850214; JP H0151800 B2 19891106; JP S56168200 A 19811224

DOCDB simple family (application)

EP 81100115 A 19810109; DE 3001629 A 19800117; DE 3167986 T 19810109; JP 583681 A 19810116