

Title (en)

RADIATION-PROTECTIVE CONTAINER FOR THE TRANSPORT AND DISPOSAL OF RADIOACTIVE MATERIALS, AND METHOD FOR ITS PRODUCTION

Publication

EP 0205060 A3 19870902 (DE)

Application

EP 86107399 A 19860531

Priority

DE 3520450 A 19850607

Abstract (en)

[origin: EP0205060A2] This container consists of a canister formed by a jacket part and a bottom part and a lid used for closing the canister, in which the canister is formed from an integrally fabricated centrifugal casting which is provided with a sheathing of a compound material formed from metal and plastic. The jacket is formed by a matrix of a low-melting-point metal or a low-melting-point metal alloy, for example a copper/tin, copper/antimony, lead/antimony, copper/lead alloy or the like, in which moulded bodies of a plastic having a disintegration point which is above the melting point of the metal or of the alloy are embedded. The canister is provided with a cross sectionally star-shaped insert basket subdividing the container space into several chambers. The canister is fabricated in such a manner that the canister is integrally cast in a standing mould in accordance with the centrifugal casting process, whereupon the canister is provided with a sleeve exhibiting an inlet for rising casting and with an outer skin surrounding the canister at a distance, into which lumpy plastic material is filled in dense packing and metal is poured. <IMAGE>

IPC 1-7

G21F 1/00; **G21F 5/00**

IPC 8 full level

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CPC (source: EP KR)

G21F 5/00 (2013.01 - KR); **G21F 5/005** (2013.01 - EP); **G21F 5/08** (2013.01 - EP)

Citation (search report)

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- [Y] PATENT ABSTRACTS OF JAPAN, Band 7, Nr. 128 (M-220)[1273], 3. Juni 1983; & JP-A-58 047 553 (KUBOTA TEKKO K.K.) 19-03-1983

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