

Title (en)
NUCLEAR SHELTER

Publication
EP 0064472 B1 19851127 (FR)

Application
EP 82440010 A 19820415

Priority
• FR 8107861 A 19810416
• FR 8206308 A 19820406

Abstract (en)
[origin: EP0064472A1] 1. Nuclear shelter, essentially comprising a steel cylinder (1), constituted by an assembly of modules (1') provided with inner and/or outer reinforcements (11) at their junction and closed by two convex bases (2), buried in the horizontal position, resting on cradles (3) and linked with the basement of a dwelling house or block of flats by means of an entry chamber (4) and with the open air by means of a manhole (5) issuing into a decontamination chamber (6) and sealed in its upper part by a tight shielded trap-door (7), the passages between the entry (4) and decontamination (6) chambers and the habitable part (10) being sealed by tight shielded doors (8, 9), characterized in that the manhole (5) is constituted by two concentric steel cylinders (12) between which is cast reinforced concrete (13) whose reinforcement is joined to hooks (14) integral with the steel cylinder (1), in that in the annular space of the manhole (5) filled with reinforced concrete are provided passage sleeves (15) for the air supply and discharge pipes, for radio and/or television aerials, and/or for a periscope, a probe or other, in that the trench filling materials are constituted by a layer (22) of mixed sand and gravel surrounding the lower part of the cylinder over roughly half its height, by a layer (23) of clay, marl, loam, or sand or ground baryta covering the first layer, and by a layer (24) of humus and permitting the planting of vegetation, drainage pipes (25) ensuring the draining away of surface water, and that the entry chamber (4) is provided with a packing enabling lateral displacements to be absorbed.

IPC 1-7
E04H 9/12

IPC 8 full level
E04H 9/12 (2006.01)

CPC (source: EP)
E04H 9/12 (2013.01)

Cited by
US2015009621A1; GB2225040A; GB2225040B; WO2013104535A1

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EP 0064472 A1 19821110; EP 0064472 B1 19851127; DE 3265552 D1 19850926; ES 511451 A0 19830301; ES 8304632 A1 19830301; MA 19445 A1 19821231; PT 74750 A 19820501; PT 74750 B 19831130

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