

Title (en)

NUCLEAR, BIOLOGICAL AND CHEMICAL PROTECTION SHELTER FOR A POPULATION OF REDUCED MANPOWER

Publication

**EP 0057636 B1 19850828 (FR)**

Application

**EP 82400138 A 19820125**

Priority

FR 8101395 A 19810126

Abstract (en)

[origin: EP0057636A1] 1. Shelter for the nuclear, biological and chemical protection of a small group of people, particularly of a family, comprising a resistant metal cell buried underground, constituted by a cylindrical interior (6) with horizontal axis, by a cell constituting an extension of the latter, a first airlock (7) provided with a door (8) to isolate the latter from the interior (6) and adapted to contain means for equipping the inhabitants for going out, decontamination means and waste storage means, as well as by an entrance/exit shaft (23) constituting a second airlock (25) separated from the first airlock by a door (22) and from the outside by an obturating means (29), this shelter being characterized : - in that the cell (6) is metallic and is provided in manner known per se, with a cylindrical body (2) closed at its ends by convex end walls (3, 4) of which one is annular (3) and is extended by a tubular passage (22) to which the entrance/exit shaft (23) is welded at an angle, the first airlock (7) being defined by the passage (22), the door (27) closing the shaft (23), the annular end wall (3), a part of the body (2) separated from the interior (6) of the shelter by an internal partition (5) and the door (8) closing the interior of the shelter, - in that the interior of the shelter (6) and the first airlock (7) are maintained under slight over-pressure with respect to the outside by a relief valve (9) with which the door (8) is provided, and by a relief valve (33) mounted on a conduit (32) connecting the two airlocks on both side of said antiblast door (27), - in that the door (27) possibly equipped with a shield against radiation (34) which separates the two airlocks is offset laterally with respect to the vertical projection of a grating (29) closing a man hole (26) giving access to the shaft (23).

IPC 1-7

**E04H 9/12**

IPC 8 full level

**E04H 9/12** (2006.01)

CPC (source: EP)

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