

Title (en)

Multi-layer radiation protection component

Title (de)

Mehrschichtiges Strahlenschutzbauteil

Title (fr)

Composant d'un dispositif de protection contre les rayonnements de structure multicouche

Publication

**EP 2418653 B1 20140618 (DE)**

Application

**EP 10172393 A 20100810**

Priority

EP 10172393 A 20100810

Abstract (en)

[origin: EP2418653A1] The component (1) has a radiation protection layer arranged between two concrete layers (3, 4), where the protection layer is filled with loose radiation protection materials in compressed manner. A short-time, dynamic concrete reinforcement is formed such that volume of the protection layer is enlarged by bombardment, explosion, seismic event and/or attack by aircrafts or ships during short-time, dynamic loading of the component. The reinforcement extends parallel to one of the concrete layers and has concrete reinforcement parts (9, 10) made of textile, metal, elastomer and/or plastic.

IPC 8 full level

**G21F 1/12** (2006.01); **E04B 1/92** (2006.01); **G21F 7/00** (2006.01)

CPC (source: EP)

**G21F 1/12** (2013.01); **G21F 7/00** (2013.01); **E04B 2001/925** (2013.01)

Cited by

CN107509300A; DE102016216771A1; DE102016105720A1; DE102016105720B4; AT16063U1

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