

Title (en)
PROTECTIVE SYSTEM FOR WALLS OF BUILDINGS OR CONTAINERS

Title (de)
SCHUTZSYSTEM FÜR GEBÄUDE- ODER BEHÄLTERWÄNDE

Title (fr)
SYSTÈME DE PROTECTION POUR PAROIS DE BÂTIMENT OU DE CONTENEUR

Publication
EP 2661527 A2 20131113 (DE)

Application
EP 11807861 A 20111216

Priority
• DE 102011008067 A 20110107
• EP 2011006377 W 20111216

Abstract (en)
[origin: WO2012092949A2] The invention relates to a protective system for protecting a wall of a building or container from impact loads, having a buffer layer (3) which is arranged on the impact side of the wall of the building or container and absorbs the impact energy of the impact load predominantly by plastic deformation, wherein the buffer layer (3) comprises a deformation lattice which is formed by a substantially regular arrangement of unit cells (5) and has a number of lattice layers (6) and the intermediate spaces in which are filled with a deformable damping material (9), and wherein each unit cell (5) is composed of a plurality of lattice struts (4) which form the edges of a pyramid.

IPC 8 full level
E04H 9/10 (2006.01); **E04C 5/06** (2006.01); **F41H 5/04** (2006.01)

CPC (source: EP US)
E04B 1/98 (2013.01 - US); **E04C 5/06** (2013.01 - EP US); **E04H 9/10** (2013.01 - EP US); **F41H 5/04** (2013.01 - EP US);
Y10T 428/24669 (2015.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2012092949 A2 20120712; WO 2012092949 A3 20120830; WO 2012092949 A8 20130110; BR 112013017015 A2 20191001;
CA 2824408 A1 20120712; CN 103314168 A 20130918; DE 102011008067 A1 20120712; EP 2661527 A2 20131113; EP 2661527 B1 20140423;
US 2013295340 A1 20131107; ZA 201303907 B 20140827

DOCDB simple family (application)
EP 2011006377 W 20111216; BR 112013017015 A 20111216; CA 2824408 A 20111216; CN 201180064356 A 20111216;
DE 102011008067 A 20110107; EP 11807861 A 20111216; US 201313936736 A 20130708; ZA 201303907 A 20130529