

Title (en)

FRAME SYSTEM AND MANHOLE COVERING

Title (de)

RAHMENSYSTEM UND SCHACHTABDECKUNG

Title (fr)

SYSTÈME DE CADRE ET DISPOSITIF DE RECOUVREMENT DE REGARD

Publication

**EP 3841253 B1 20240515 (DE)**

Application

**EP 19759526 A 20190821**

Priority

- DE 102018120623 A 20180823
- EP 2019072340 W 20190821

Abstract (en)

[origin: WO2020038982A1] The invention relates to a frame system (1) for a manhole covering (100), having at least one first frame element (10) and one second frame element (20) which each have at least one first connecting surface (10a; 20a) and/or at least one second connecting surface (10b; 20b). The first and second frame element (10; 20) can be connected to one another in a force-fitting and/or form-fitting manner along the mutually opposite first or second connecting surfaces (10a; 10b; 20a; 20b), and, with the first and second frame element (10; 20) in the connected state, at least one joint region (12) is formed between the mutually opposite first connecting surfaces (10a; 20a) or between the mutually opposite second connecting surfaces (10b; 20b). The joint region (12) can be filled with a joint element (90) in such a way that the jointed connection of the frame elements (10; 20) is releasable and re-establishable, the joint element (90) comprising a hot-melt adhesive. The invention further relates to a manhole covering (100) having a manhole cover and a frame system of said type.

IPC 8 full level

**E02D 29/14** (2006.01); **E03F 5/06** (2006.01); **E02D 29/16** (2006.01); **E03F 5/02** (2006.01)

CPC (source: EP US)

**E02D 29/14** (2013.01 - EP); **E02D 29/1454** (2013.01 - US); **E03F 5/06** (2013.01 - EP); **E02D 29/16** (2013.01 - EP); **E03F 2005/028** (2013.01 - EP)

Citation (examination)

- DE 7701915 U1 19770922
- EP 2759580 A1 20140730 - EVONIK INDUSTRIES AG [DE]

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)

**DE 102018120623 A1 20200227**; AU 2019326745 A1 20210318; AU 2019326745 B2 20230112; CN 112601862 A 20210402;  
EP 3841253 A1 20210630; EP 3841253 B1 20240515; EP 3841253 C0 20240515; US 11873614 B2 20240116; US 2021198862 A1 20210701;  
WO 2020038982 A1 20200227

DOCDB simple family (application)

**DE 102018120623 A 20180823**; AU 2019326745 A 20190821; CN 201980055389 A 20190821; EP 19759526 A 20190821;  
EP 2019072340 W 20190821; US 201917269601 A 20190821