

Title (en)

Access shaft structure for manholes

Title (de)

Schachtsystem mit Transport- und Verschiebesicherung

Title (fr)

Elements prefabriqués pour des chambres de tirage

Publication

EP 1632611 A3 20060517 (DE)

Application

EP 05014411 A 20050702

Priority

DE 102004039360 A 20040812

Abstract (en)

[origin: EP1632611A2] The unit has contact surfaces (13) that are flat and exhibiting ridges or slots. The ridges/slots interrupt maximum 20 percentage of the surfaces. The ridges are arranged in the corners of the upper contact surfaces. The ridges are conical in shape and are arranged transverse to a wall thickness of the unit. The unit is made up of concrete, concrete polymer composite, ceramic compound, plastic and reinforcing steel connections. An independent claim is also included for a method for manufacturing a pit unit.

IPC 8 full level

E02D 29/14 (2006.01); **E02D 29/12** (2006.01)

CPC (source: EP)

E02D 29/12 (2013.01); **E02D 29/14** (2013.01)

Citation (search report)

- [X] DE 10252185 A1 20040527 - BUDERUS GUSS GMBH [DE]
- [X] EP 0633362 A1 19950111 - KRUYFHOOFT CHRISTINA [BE]
- [X] US 4121390 A 19781024 - HALL ALFRED GEORGE, et al
- [X] CH 674039 A5 19900430 - SEMMELROCK KG
- [X] DE 3815365 A1 19890817 - HOOS HUBERT DIPL ING FH [DE]
- [X] DE 20105561 U1 20010823 - VIENNA BARTOLO [DE]

Cited by

CN107268755A; CN107299673A; CN107165254A; GB2483863A; CN112601862A; US11873614B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1632611 A2 20060308; EP 1632611 A3 20060517; DE 102004039360 A1 20060223

DOCDB simple family (application)

EP 05014411 A 20050702; DE 102004039360 A 20040812