

Title (en)

Method and device for refurbishing a manhole shaft

Title (de)

Verfahren zum Sanieren einer Schachtanlage und Vorrichtung zum Sanieren einer Schachtanlage

Title (fr)

Méthode et dispositif de rénovation des regards d'eaux usées

Publication

EP 1493875 A3 20061108 (DE)

Application

EP 04008214 A 20040405

Priority

DE 10315559 A 20030405

Abstract (en)

[origin: EP1493875A2] The method uses plastic shaft linings. The shaft system (2) is adjusted via a sewer (19) constructed through it. The shaft lining (10) is aligned through a section of the sewer extending through the system, and is then connected to it. The section of the sewer within the shaft system has an open top surface projecting into an interior chamber (5). The sewer is formed by a channel (16), and the lining is aligned relative to it and connected to it. Projections on the sewer are aligned with and fastened to, projections on the shaft lining wall. Projections and water-proof sealing elements (52,53) are of lengths of plastic, which are welded to the lining.

IPC 8 full level

E03F 3/06 (2006.01); **E03F 5/02** (2006.01)

CPC (source: EP)

E03F 3/06 (2013.01); **E03F 5/02** (2013.01); **E03F 2003/065** (2013.01)

Citation (search report)

- [XA] DE 19834317 A1 19990325 - WALTER JENS [DE], et al
- [PX] EP 1391565 A2 20040225 - SCHWARZ WOLFGANG [DE]
- [A] DE 10129860 A1 20030116 - SPITZENBERG YVONNE [DE]

Cited by

EP4431663A1; EP4431664A1; DK178948B1; CN112610270A; CN118007780A

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL HR LT LV MK

DOCDB simple family (publication)

EP 1493875 A2 20050105; EP 1493875 A3 20061108; DE 10315559 A1 20041230

DOCDB simple family (application)

EP 04008214 A 20040405; DE 10315559 A 20030405