

Title (en)

Prefabricated concrete manhole element with a plastic liner

Title (de)

Betonfertigteil-Schacht mit einer Kunststoff-Auskleidung

Title (fr)

Regard de chaussée préfabriquée en béton avec un revêtement en plastique

Publication

**EP 0821111 A3 19980708 (DE)**

Application

**EP 97112581 A 19970723**

Priority

- DE 29612834 U 19960724
- DE 29704338 U 19970311

Abstract (en)

[origin: EP0821111A2] The ready-made concrete shaft has a double-walled sealed pipe (4) in at least one wall opening. The pipe has a concrete outer and a plastics inner liner, the end of which is held inside the shaft opening. The inner liner is exposed over a sealing section and the concrete outer pipe projects into the shaft wall opening by a shorter distance than the exposed section. This opening has a plastics sleeve which converges from the outside to the shaft inside in at least three steps, forming a compatible socket with a shoulder for the pipe end. At least one sealing ring fits between the sleeve and the pipe. The shaft has a plastics inner liner (2).

IPC 1-7

**E03F 5/02**; **E03F 3/04**; **E02D 29/12**

IPC 8 full level

**E02D 29/12** (2006.01); **E03F 3/04** (2006.01); **E03F 5/02** (2006.01)

CPC (source: EP)

**E02D 29/12** (2013.01); **E02D 29/124** (2013.01); **E02D 29/125** (2013.01); **E02D 29/149** (2013.01); **E03F 5/02** (2013.01); **E03F 5/021** (2013.01); **E03F 5/025** (2013.01)

Citation (search report)

- [DYA] DE 9115399 U1 19920709
- [Y] DE 9300116 U1 19930304
- [A] US 5303518 A 19940419 - STRICKLAND JAMES K [US]
- [A] EP 0670395 A2 19950906 - NIEMEYER GMBH & CO KG SOEHNE [DE]

Cited by

GB2413143A; WO2004074585A3

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0821111 A2 19980128**; **EP 0821111 A3 19980708**; **EP 0821111 B1 20000913**; AT E196337 T1 20000915; CZ 235297 A3 19980218; CZ 293312 B6 20040317

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