

Title (en)  
Manhole structure

Title (de)  
Schachtanordnung

Title (fr)  
Structure de regard de chaussée

Publication  
**EP 2325399 A1 20110525 (EN)**

Application  
**EP 09176791 A 20091123**

Priority  
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Abstract (en)  
By the invention a manhole structure (10) is provided comprising a frame (12) having a skirt (16), a riser pipe (100) at least partly inserted into the skirt (16), and a gasket (50) being placed between the skirt (16) and the riser pipe (100), wherein the gasket (50) is adapted to retain the riser pipe (100), and wherein the riser pipe (100) is longitudinally extendable. Moreover, the invention provides a method for adjusting the height of a frame (12) in the manhole structure (10) from a first level to a second level, comprising specific steps of adjusting the height of the frame (12) from the first level to the second level, and supporting the frame (12) at the second level, wherein the distance between the first and the second level is accommodated by the riser pipe (100).

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CPC (source: EP)  
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Citation (applicant)

- US 4188151 A 19800212 - HALL JOHN R [US]
- US 6196760 B1 20010306 - SINCLAIR DAVID BRENT [CA]
- EP 0529178 A1 19930303 - SKOENVALL TAGE [SE]
- EP 0900885 A1 19990310 - UPONOR ANGER GMBH [DE]
- CA 2425459 A1 20030809 - BOUDREAU GUY [CA]
- EP 0826834 A2 19980304 - PICHLER ALOIS [AT]
- DE 29907296 U1 19990729 - BUDERUS GUSS GMBH [DE]
- DE 19505130 A1 19960829 - REXROTH MANNESMANN GMBH [DE]
- EP 1792110 A1 20070606 - SAINT GOBAIN PONT A MOUSSON [FR]

Citation (search report)

- [X] CA 2425459 A1 20030809 - BOUDREAU GUY [CA]
- [A] EP 0826834 A2 19980304 - PICHLER ALOIS [AT]
- [A] US 6196760 B1 20010306 - SINCLAIR DAVID BRENT [CA]
- [A] DE 29907296 U1 19990729 - BUDERUS GUSS GMBH [DE]
- [A] DE 19505130 A1 19960829 - REXROTH MANNESMANN GMBH [DE]

Cited by  
CN113982004A; RU2504619C1; EP2712825A1; CN112601862A; US11873614B2

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