

Title (en)  
Connection elements for underground walls.

Title (de)  
Verbindungselemente für Schlitzwände.

Title (fr)  
Éléments de liaison pour parois souterraines.

Publication  
**EP 0227878 A1 19870708 (DE)**

Application  
**EP 86107163 A 19860527**

Priority  
DE 3540589 A 19851115

Abstract (en)  
1. Curtain walls, especially for civil engineering and tunnelling, wherein first trenches are excavated and are filled with thixotropic material and thereafter sealing sheets are lowered into the thixotropic material and wherein the sealing sheets are provided with connecting elements, which consist of profiles (6, 7, 10, 11) welded onto the sealing sheets or integrally formed on the sealing sheets, which profiles can be inserted one into another, characterized in that one of the profiles (7, 11), for the purpose of injecting with a sealing material, possess a peripherally closed, longitudinally extending duct (9), which is accessible at the top edge of the curtain wall and leads at the bottom into a gap (4) between the profiles (6, 7, 10, 11) which can be inserted into one another.

Abstract (de)  
Nach der Erfindung werden die Verbindungselemente für ineinander steckbare Dichtungsbahnen von Schlitzwänden durch Verpressen mit Dichtmaterial zusätzlich abgedichtet und wird das Dichtmaterial durch einen nach unten führenden Kanal so lange eingepreßt, bis es von unten durch den Spalt zwischen den Verbindungselementen oben wieder austritt.

IPC 1-7  
**E02D 19/18**; **E02D 5/20**

IPC 8 full level  
**E02D 5/20** (2006.01); **E02D 19/18** (2006.01)

CPC (source: EP)  
**E02D 5/20** (2013.01); **E02D 19/185** (2013.01)

Citation (search report)  
• [Y] FR 2362972 A1 19780324 - SOLETANCHE [FR]  
• [Y] EP 0129275 A1 19841227 - CORTLEVER NICO GERHARD  
• [A] BE 544906 A  
• [A] US 1467470 A 19230911 - BORG FREDRIK G  
• [A] FR 892758 A 19440519 - BELGE DES BETONS SOC  
• [A] GB 191416403 A 19150429 - MOIR ERNEST WILLIAM  
• [A] GB 398354 A 19330914 - WALTER TAYLOR

Cited by  
DE4311948A1

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