

Title (en)
Sheet pile wall.

Title (de)
Spundwand.

Title (fr)
Paroi de palplanches.

Publication
EP 0628662 A3 19950920 (DE)

Application
EP 94108270 A 19940528

Priority
DE 4319152 A 19930609

Abstract (en)
[origin: EP0628662A2] A sheet-pile wall for the vertical sealing of liquid-bearing and/or gas-bearing strata, in particular for sealing contaminated earth strata, the sheet piles which form the sheet-pile wall being connected by locks which each consist of two parts interlocking in a hook shape and are sealed with a sealing compound, and a method of producing it. The sheet-pile wall and the method meet all requirements of the current guidelines for constructing vertical diaphragm walls for the construction of landfill sites and the redevelopment of old waste sites, namely, for example, verification of the verticality, verification of the integrity of the locks, means of repairing the lock seal. In order to provide such a sheet-pile wall and method, in each case one part (1) of the lock (2) has longer webs (5, 6) than the other part (7) in the direction of the profile height of the sheet pile (4) towards the hook end, and both parts (1, 7) of the lock (2) form between them a vertical lock chamber (8) which is filled with a sealing compound (9). The procedure used to produce it is that the part of the lock of the trailing sheet pile with the longer webs towards the hook end is subsequently driven into the respectively leading part of the lock of interlocking sheet piles with the shorter webs towards the hook end while the vertical lock chamber is formed, whereupon the lock chamber is filled with the sealing compound. <IMAGE>

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E02D 5/04; **E02D 5/14**

IPC 8 full level
E02D 5/04 (2006.01); **E02D 5/08** (2006.01); **E02D 5/14** (2006.01)

CPC (source: EP)
E02D 5/08 (2013.01); **E02D 5/14** (2013.01)

Citation (search report)
• [XAY] GB 2228760 A 19900905 - UNIV WATERLOO [CA]
• [YA] EP 0341194 A2 19891108 - HOESCH STAHL AG [DE]
• [A] EP 0264527 A1 19880427 - NIEDERBERG CHEMIE [DE]

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