

Title (en)
METHOD OF STABILIZING A WALL WITH EXPOSED LAYERS OF CLAY

Title (de)
VERFAHREN ZUR STABILISIERUNG EINER WAND MIT FREILIEGENDEN TONSCHICHTEN

Title (fr)
PROCÉDÉ DE STABILISATION D'UN MUR À L'AIDE DE COUCHES EXPOSÉES D'ARGILE

Publication
EP 3702581 A1 20200902 (EN)

Application
EP 19159329 A 20190226

Priority
EP 19159329 A 20190226

Abstract (en)
A clayward-facing side of a perforated support structure is placed against a wall with exposed clay. Perforations allow fluid transport through the perforated support structure from an opposing side of the perforated support structure to the clayward-facing side. After bringing the clayward-facing side in physical contact with the wall, the opposing side is exposed to a water-containing fluid, whereby allowing the water containing fluid to contact the wall through the perforations. Water is absorbed in any clay that is exposed to the perforations, which causes local swelling of clay comprised in wall parts that are exposed to the perforations. The shear strength of the saturated clay prevents the clay from migrating through the perforations to the opposing side.

IPC 8 full level
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CPC (source: EP)
E21B 43/086 (2013.01); **E21B 43/105** (2013.01); **E21B 43/106** (2013.01); **E21B 43/108** (2013.01)

Citation (applicant)
• US 5366012 A 19941122 - LOHBECK WILHELMUS C M [NL]
• US 5901789 A 19990511 - DONNELLY MARTIN [NL], et al
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Citation (search report)
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• [A] US 2007227733 A1 20071004 - VERCAEMER CLAUDE J [FR], et al
• [A] WO 2018191783 A1 20181025 - BERTANI ROMOLO LORENZO [AU]
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Designated contracting state (EPC)
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Designated extension state (EPC)
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