(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
28 August 2014 (28.08.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/129899 A1

(51) International Patent Classification:
E02D 3/10 (2006.01) *E02D 19/10* (2006.01)

(21) International Application Number:
PCT/NL2014/050107

(22) International Filing Date:
21 February 2014 (21.02.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2010349 22 February 2013 (22.02.2013) NL

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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

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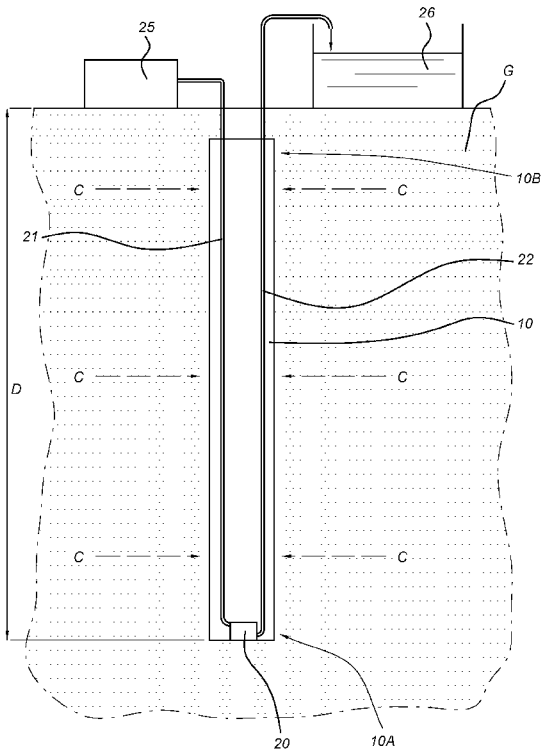
(54) Title: METHOD FOR CONSOLIDATING WATER-CONTAINING GROUND, AND DRAIN ELEMENT FOR USE IN SUCH METHOD

Fig. 1



(57) Abstract: A method for consolidating water-containing groundcomprising providing an elongated drain element, the drain element allowing both collection and transport of fluid along a longitudinal direction of the drain element; providing a pump to the drain element; providing the drain element with the pump into the ground to be consolidated; and driving the pump to discharge collected fluid from the drain element. The pump is provided to a bottom end of the drain element and can bea gas-driven Venturi pump, especially an air-driven Venturi pump. The drain element comprises a drain member having a corrugated cross-section transverse to the longitudinal direction of the drain elementand the drain element comprises a water-permeable covering that is impermeable to the ground, and wherein the pump is provided inside the covering. The drain membermay have a plate-like configuration having the corrugated cross-section in a width direction and having a thickness corresponding a height of corrugations of the corrugated cross-section.

WO 2014/129899 A1

Published:

— *with international search report (Art. 21(3))*