



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
17.02.2021 Bulletin 2021/07

(51) Int Cl.:
E02D 31/10 (2006.01) **E02D 37/00** (2006.01)
C09K 17/10 (2006.01) **C09K 17/12** (2006.01)
E02D 3/12 (2006.01) **E02D 5/46** (2006.01)
E02D 5/66 (2006.01)

(43) Date of publication A2:
02.12.2020 Bulletin 2020/49

(21) Application number: **20171550.5**

(22) Date of filing: **27.04.2020**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME
Designated Validation States:
KH MA MD TN

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(30) Priority: **27.05.2019 IT 201900007254**

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(60) Divisional application:
20206760.9

(54) **A METHOD FOR SOIL CONSOLIDATION**

(57) A placing system of a stopper plug (6) in a perforation in which a land consolidation material is present, said system (1) comprising:
-said plug (6);
-a conduit (2), said conduit (2) at least partly extending outside the perforation along an imaginary prolongation

of said perforation;
-introduction means (3) for introducing the plug (6) into said conduit (2);
-a pusher member (4) of the plug (6); the pusher member (4) is movable along the conduit (2) so as to position the plug (6) in the perforation.

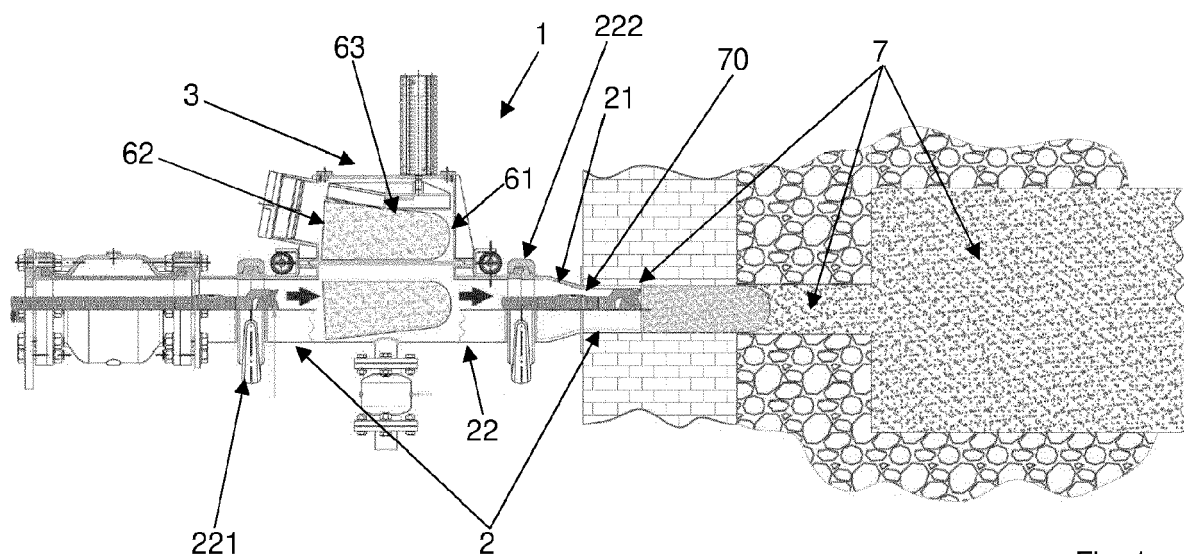


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 20 17 1550

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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X	US 4 851 259 A (SHIMADA SHUNSUKE [JP] ET AL) 25 July 1989 (1989-07-25) * column 3, line 12 - column 4, line 19; figures 1,4 *	1-9	E02D3/12 E02D5/46 E02D5/66
X	KR 100 776 304 B1 (JEONG JIN KOU [KR]; IM SA IN [KR]) 16 November 2007 (2007-11-16) * page 2 - page 7; figures 1,2, 3f *	1-9	
X	KR 101 545 254 B1 (CHOI JUNG OK [KR]; SON JAE HO [KR] ET AL.) 20 August 2015 (2015-08-20) * page 2 - page 10; figures 1, 2d, 4 *	1-9	
X	DE 17 09 393 A1 (SCHDRUZENI KAMENOUHELNYCH DOLU) 24 May 1973 (1973-05-24) * page 3, paragraph 2 - page 10, paragraph 2; figure 1 *	1-9	TECHNICAL FIELDS SEARCHED (IPC)
X	DE 10 2007 023736 A1 (BAUER SPEZIALTIEFBAU [DE]) 4 December 2008 (2008-12-04) * paragraph [0017] - paragraph [0058]; figure 1 *	1-9	E02D F16D C09K
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 21 September 2020	Examiner Geiger, Harald
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-9

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9

Method of soil consolidation

2. claim: 10

System for soil consolidation.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 20 17 1550

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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21-09-2020

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