

Title (en)  
A TOOL FOR A PORTABLE SCREW GUN OR DRILL GUN FOR MAKING HOLES IN GRANULAR SOILS

Title (de)  
WERKZEUG FÜR EINEN TRAGBAREN SCHRAUBER ODER BOHRER ZUR ERZEUGUNG VON LÖCHERN IN LOCKERGESTEIN

Title (fr)  
OUTIL DESTINÉ À UNE VISSEUSE OU PISTOLET DE FORAGE PORTABLE POUR RÉALISER DES TROUS DANS DES SOLS GRANULAIRES

Publication  
**EP 3252262 A1 20171206 (EN)**

Application  
**EP 17173827 A 20170531**

Priority  
IT UA20164091 A 20160603

Abstract (en)  
A tool (1) for making a hole in a granular soil, in particular a sandy soil, comprising an elongated central portion (10) having a longitudinal axis (15) and provided with a first end portion (11) configured in such a way to removably engage with a chuck (110) of a portable screw gun, or drill gun (100), and a second end portion (12) provided with an actuation head (20). This has a predetermined diameter and configured in such a way to make a hole (70) having a corresponding diameter in a determined granular soil when an electric motor (105) of the portable screw gun, or drill gun (100) is actuated for causing the rotation of the chuck (110) and of the tool (1) to it engaged about the rotation axis (15) [Fig. 1].

IPC 8 full level  
**E21B 7/02** (2006.01); **E21B 10/43** (2006.01); **E21B 10/44** (2006.01)

CPC (source: EP)  
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Citation (search report)

- [XYI] US 2008179101 A1 20080731 - MASH THOMAS B [US]
- [Y] US 2013233625 A1 20130912 - ROBINSON JAMES ALLEN [US], et al
- [Y] US 2010288556 A1 20101118 - NORLING TORE [SE]
- [Y] US 2010243332 A1 20100930 - PAXTON III FRANK [US]
- [A] US 3177736 A 19650413 - KILMARTIN DONALD G, et al
- [A] US 5454435 A 19951003 - REINHARDT LISA [US]
- [Y] US 2005211282 A1 20050929 - DEVENEZIA CECILIA [US], et al
- [A] US 2010074702 A1 20100325 - KLUGE DOUGLAS J [US]
- [Y] US 2014174824 A1 20140626 - SCHAMBERGER RANDY [US], et al
- [A] US 1142646 A 19150608 - WATKINS BENJAMIN G [US], et al
- [Y] WO 2015152476 A1 20151008 - KIM YOUNG GOAN [KR]

Cited by  
EP3891354A4; US11572742B2

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