

Title (en)

SLOTTED WALL GRIPPER AND METHOD FOR CREATING A SLOT IN THE GROUND

Title (de)

SCHLITZWANDGREIFER UND VERFAHREN ZUM ERSTELLEN EINES SCHLITZES IM BODEN

Title (fr)

BENNE DE FORAGE ET PROCÉDÉ DE FABRICATION D'UNE PAROIS DANS LE SOL

Publication

**EP 3725950 B1 20220914 (DE)**

Application

**EP 19170133 A 20190418**

Priority

EP 19170133 A 20190418

Abstract (en)

[origin: CN111827385A] The invention relates to a slotted wall gripper and method for creating a slot in the ground; the slotted wall gripper is used, wherein the slotted wall gripper has a grab frame at the lower end of which two grab blades are arranged and can be adjusted between an open position and a closed position by means of an actuating device. Gripper shovels grab soil material and pick the same up in the closed position. According to the gripper disclosed in the invention, a distance and/or a pressure is determined by means of a measuring device when the gripper shovels are closed, and the measuring device forwards measured values determined to a control unit, which is designed to provide information on the basis of the measured values determined by the measuring device to hit the soil material.

IPC 8 full level

**E02D 17/13** (2006.01); **E02D 1/02** (2006.01); **E02F 3/413** (2006.01); **E02F 3/47** (2006.01)

CPC (source: CN EP)

**E02D 1/022** (2013.01 - EP); **E02D 17/13** (2013.01 - EP); **E02F 3/413** (2013.01 - EP); **E02F 3/4133** (2013.01 - CN); **E02F 3/4135** (2013.01 - CN); **E02F 3/475** (2013.01 - EP); **E02F 5/02** (2013.01 - CN); **E02F 9/265** (2013.01 - CN)

Citation (opposition)

Opponent : Liebherr-Werk Nenzing GmbH

- EP 0533558 A1 19930324 - SOL COMP DU [FR]
- EP 3299523 A1 20180328 - BAUER SPEZIALTIEFBAU [DE]
- EP 1950353 A1 20080730 - BAUER MASCHINEN GMBH [DE]
- JP 2007327334 A 20071220 - OHBAYASHI CORP
- EP 3401444 A1 20181114 - BAUER MASCHINEN GMBH [DE], et al
- DE 20310240 U1 20030911 - WOLFGANG ROHR GMBH & CO KG [DE]
- EP 0937675 B1 20030416 - ROHR GMBH [DE]
- JP 2015017464 A 20150129 - HITACHI CONSTRUCTION MACHINERY
- KLAUS F. HUDELMAIER, HARTMUT KÜFNER: "SPEZIALTIEFBAU, KOMPENDIUM BAND II VERFAHRENSTECHNIK UND GERÄTEAUSWAHL BOHRGERÄTE UND HYDROSE I LBAGGER", 1 January 2009, LIEBHERR-WERK NENZING GMBH, article KLAUS F. HUDELMAIER: "Schlitzwandherstellung im Greiferverfahren ", pages: 1 - 2, XP093158344

Cited by

CN113463607A; CN117800211A

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 3725950 A1 20201021**; **EP 3725950 B1 20220914**; CN 111827385 A 20201027; CN 111827385 B 20221018; ES 2929747 T3 20221201

DOCDB simple family (application)

**EP 19170133 A 20190418**; CN 202010306146 A 20200417; ES 19170133 T 20190418