

Title (en)

METHOD AND TRENCH CUTTER FOR CREATING A SLIT IN THE GROUND

Title (de)

VERFAHREN UND SCHLITZWANDFRÄSE ZUM ERSTELLEN EINES SCHLITZES IM BODEN

Title (fr)

PROCÉDÉ ET FRAISEUSE À RIDEAU SOUTERRAIN POUR RÉALISER UNE TRANCHÉE DANS LE SOL

Publication

EP 3296468 B1 20191106 (DE)

Application

EP 16188961 A 20160915

Priority

EP 16188961 A 20160915

Abstract (en)

[origin: JP2018044429A] PROBLEM TO BE SOLVED: To enable a trench to be manufactured at a precise position in soil in an efficient mode.SOLUTION: A trench is manufactured by actuating at least a pair of cutting wheels mounted on a trench cutter lower end that faces soil and removing soil material. Fluid is introduced in the trench by at least one fluid nozzle on the trench cutter. The position of the trench cutter in the trench is controlled by multiple fluid nozzles through which fluid is supplied in a predetermined mode by a control means. The position of the trench cutter can be selectively changed by disposing multiple fluid nozzles through which fluid can be supplied in another mode by the control means.SELECTED DRAWING: Figure 1

IPC 8 full level

E02D 17/13 (2006.01); **E02F 3/20** (2006.01)

CPC (source: CN EP)

E02D 17/13 (2013.01 - EP); **E02F 3/20** (2013.01 - EP); **E02F 3/205** (2013.01 - EP); **E02F 3/22** (2013.01 - EP); **E02F 5/02** (2013.01 - CN); **E02F 5/08** (2013.01 - CN); **E02F 5/14** (2013.01 - CN)

Cited by

CN108442359A; BE1027872B1; EP4239130A1; WO2023165796A1

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 3296468 A1 20180321; **EP 3296468 B1 20191106**; CN 107829456 A 20180323; CN 107829456 B 20210226; JP 2018044429 A 20180322; JP 6636999 B2 20200129

DOCDB simple family (application)

EP 16188961 A 20160915; CN 201710838092 A 20170915; JP 2017161810 A 20170825