Title (en)
RETAINING WALL COMPRISING PRECAST PILES AND PILE FOR SUCH A WALL

Title (de)
HALTEWAND MIT VORGEFERTIGTEN PFÄHLEN UND PFAHL FÜR EINE SOLCHE WAND

Title (fr)
PAROI DE SOUTÈNEMENT COMPORTANT DES PIEUX PRÉFABRIQUÉS, ET PIEU POUR UNE TELLE PAROI

Publication
EP 3682062 A1 20200722 (FR)

Application
EP 18779786 A 20180912

Priority
• CH 11352017 A 20170913
• IB 2018056978 W 20180912

Abstract (en)
[origin: WO2019053615A1] The invention relates to a concrete precast unitary draining pile (2) and a draining retaining wall (1) comprising a plurality of these piles. The pile, of at least 4 metres in length and of a maximum diameter between 40 and 150 cm, is provided with a longitudinal opening (26) intended for draining water vertically through the pile. The retaining wall comprises a plurality of these piles, each pile comprising a first portion driven into a hole (50) in the ground (5) and a second portion extending vertically above the ground. The wall may comprise panels (3) between the piles intended for holding back the ground (6). The method of assembling a retaining wall comprises a step of drilling at least two boreholes, inserting a pile in each hole and casting or spraying concrete between said piles.

IPC 8 full level
E02D 5/10 (2006.01)

CPC (source: CH EP)
E02D 5/10 (2013.01 - EP); **E02D 5/30** (2013.01 - CH EP); **E02D 5/48** (2013.01 - CH EP); **E02D 5/56** (2013.01 - EP); **E02D 5/72** (2013.01 - EP); **E02D 7/00** (2013.01 - CH); **E02D 7/22** (2013.01 - EP); **E02D 17/04** (2013.01 - EP); **E02D 31/02** (2013.01 - CH)

Citation (search report)
See references of WO 2019053615A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
CH 714141 A1 20190315; EP 3682062 A1 20200722; WO 2019053615 A1 20190321

DOCDB simple family (application)
CH 11352017 A 20170913; EP 18779786 A 20180912; IB 2018056978 W 20180912