

Title (en)

Excavating means and method to cast in-situ cast walls

Title (de)

Aushebemittel und Verfahren zum Gießen von Gusswänden vor Ort

Title (fr)

Moyen d'excavation et procédé pour couler des murs coulés sur site

Publication

**EP 1964980 A1 20080903 (EN)**

Application

**EP 07004124 A 20070228**

Priority

EP 07004124 A 20070228

Abstract (en)

An excavating device for excavating trenches in a ground surface in an excavation direction according to the present invention comprises - a clamshell excavating means for excavating ground, the clamshell excavating means having an opened position for receiving ground to be excavated, the projection on a plane perpendicular to the excavation direction of the bite of the clamshell excavating means in opened position having a bite circumference; - a guiding means being coupled to the clamshell excavating means in a locked position, the guiding means having a guiding surface extending in excavation direction, the guiding surface having a guiding length  $D_g$  in excavation direction; - a hollow casing having an inner wall having a length  $D_c$  smaller than the guiding length  $D_g$ , the hollow casing being adapted to be pressed into the ground surface to a depth of less than or equal to  $D_c$ , the projection of the inner wall in excavation direction substantially coinciding to the bite circumference. The guiding surface is adapted for contacting the inner wall of the hollow casing for preventing the guiding means and the clamshell excavating means from deflecting from the excavation direction during excavation. The present invention further relates to a method of excavation of trenches and a method to in-situ cast an at least partially sunken modular walls

IPC 8 full level

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**E02D 11/00** (2013.01); **E02D 17/13** (2013.01); **E04C 5/06** (2013.01)

Citation (search report)

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